

Heating

All-in-one comfort
for residential
applications





Your next heating system will be a heat pump

Heat pumps are ready to take on the challenge of home decarbonization and Daikin is ready to be the most suitable partner in this challenge.

Home decarbonisation is the sustainability challenge of today. It's the newest addition to the global paradigm shift towards a more sustainable economy. In the automotive industry, agriculture and even in air travel, efforts have already been made to reduce or eliminate carbon emissions from energy sources. Next on the list: homes.

The European Union pledged to "play a central role" in achieving net-zero greenhouse gas emissions by 2050.

In order to achieve their goals, they are betting on heat pumps

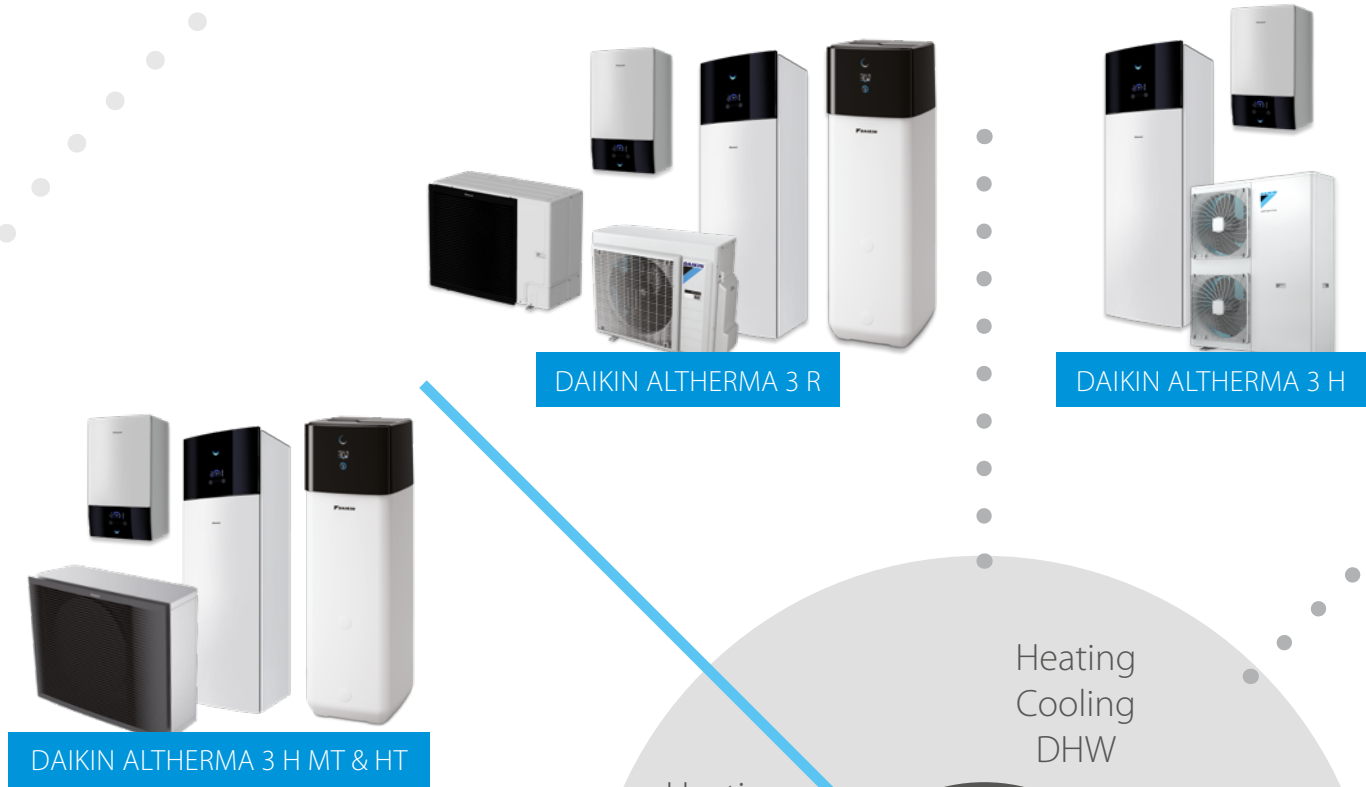
And at Daikin, we are convinced that they're right. Heat pumps are more than ready to take on the challenge of home decarbonisation. They are not a technology of the future, but an established solution, ready to provide comfort.

Did you know?

In several European countries, heat pumps are already installed in more than 50% of new buildings. In renovations, heat pumps are increasingly being considered as a replacement for boilers, especially for high-temperature models with a similar leaving water temperature of 70 °C.

Heating

Daikin's vision on heating	46	Boilers	203
Introduction	49	Condensing boilers	204
A solution for every need	49	Gas condensing boilers	206
Stand By Me	50	Daikin Altherma 3 C Gas W (D2C/TND*)	206
		Daikin Altherma 3 C Gas W (D2CNL)	212
		Daikin Altherma C Gas W	214
		Flue-gas evacuation system	216
Heat pumps	55	Tanks	221
Daikin Altherma 3 R (ERGA-E series, 4-8 kW)	56	Thermal stores and tanks	222
Daikin Altherma 3 R F	58		
Daikin Altherma 3 R ECH ₂ O	64	Controllers	227
Daikin Altherma 3 R W	70	Wired remote controller	228
NEW Daikin Altherma 3 R (ERLA-D series, 11-16 kW)	76	Individual room controllers	232
Daikin Altherma 3 R F	82	NEW Onecta App	234
Daikin Altherma 3 R ECH ₂ O	88		
Daikin Altherma 3 R W	94	Heat emitters	237
Daikin Altherma 3 H	100	Daikin Altherma HPC floor standing	240
Daikin Altherma 3 H F	102	Daikin Altherma HPC wall mounted	242
Daikin Altherma 3 H W	108	Daikin Altherma HPC concealed	243
NEW Daikin Altherma 3 M	114	Daikin Altherma UFH	248
Daikin Altherma M	124		
NEW Daikin Altherma 3 H MT/HT	128	Solar heating systems	253
Daikin Altherma 3 H MT/HT F	136	Solar panels for pressurised	
Daikin Altherma 3 H MT/HT ECH ₂ O	144	use and Drain-back system	260
Daikin Altherma 3 H MT/HT W	154	Solar panel - pressurised system	262
Daikin Altherma R HT	162	Solar panels - drain-back system	264
Daikin Altherma M HW	166	Solar collector	267
NEW Daikin Altherma M HW 2nd GEN	166	Pump station	267
Daikin Altherma M HW	172		
Daikin Altherma R HW	174		
Daikin Altherma R Flex Type HT HW	176		
Daikin Altherma R Flex Type	178		
Daikin Altherma Ground source heat pump	180		
Daikin Altherma 3 GEO	180		
Daikin Altherma Hybrid heat pump	188		
Daikin Altherma R Hybrid	191		
Daikin Altherma R Hybrid + multi	192		
Daikin Altherma H Hybrid	196		

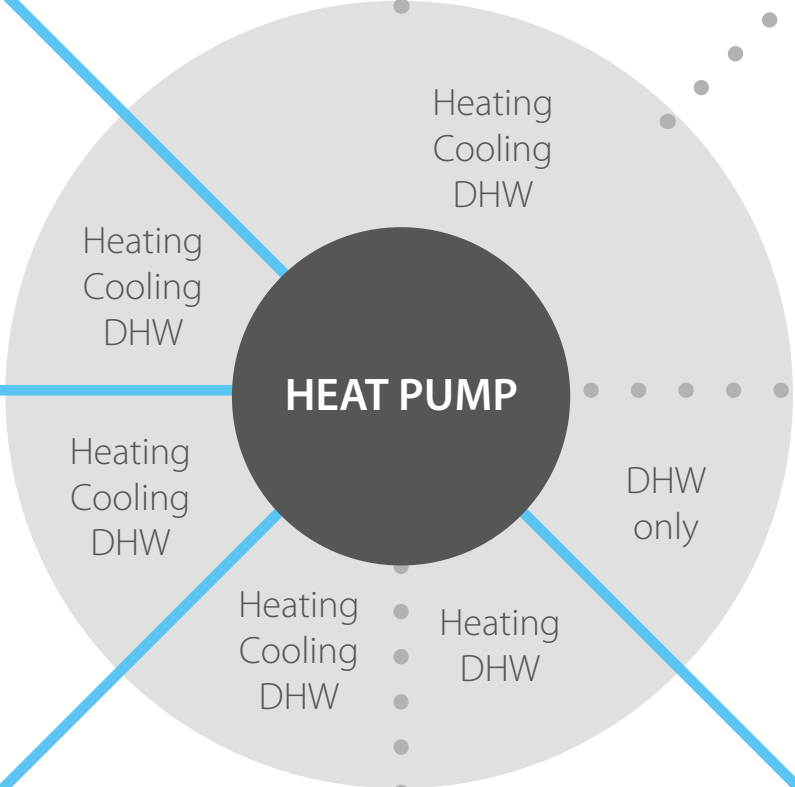


DAIKIN ALTHERMA 3 R

DAIKIN ALTHERMA 3 H

DAIKIN ALTHERMA 3 H MT & HT

Air-to-water
Mid to high temperature



DAIKIN ALTHERMA 3 GEO

Ground source
Gas hybrid



DAIKIN ALTHERMA R HYBRID



DAIKIN ALTHERMA H HYBRID

A solution for every need

Whether you're renovating or building a new house or apartment, a Daikin heat pump is an optimal choice.

Our heat pumps integrate with a range of peripheral products to provide a custom solution that creates a healthy, comfortable climate year-round while helping you further optimize the efficiency of your heating system.



DAIKIN ALTHERMA 3 M

DAIKIN ALTHERMA M




DAIKIN ALTHERMA R HW

DAIKIN ALTHERMA M HW

Low temperature
Air-to-water




1. HEAT EMITTERS

- > Daikin Altherma HPC, heat pump convectors
[Page 240](#)
- > Daikin Altherma UFH, underfloor heating
[Page 248](#) 




2. CONTROLS

- > Stand By Me
[Page 50](#)
- > Madoka
[Page 229](#)
- > Individual room controls
[Page 232](#)
- > Onecta App
[Page 234](#) 



3. HEAT COLLECTORS

- > Daikin Altherma ST, solar thermal solutions
[Page 253](#) 

Stand By Me, a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service program, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Get on board on our train to ultimate customer satisfaction

On our underground map you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.



HSN
PRO

Heating Solutions Navigator

Provide the best fit solution for your customers homes

 Web portal  Professionals



Daikin e-Care

Access to registration, configuration and trouble shooting

 Mobile app  Professionals



Stand By Me

Manage your installation database and offer comfort and service to your customer

 Web portal  Professionals



Onecta App

End-user app to control the residential unit

 Mobile app  Consumer

NEW

Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!



Heating Solutions Navigator

Newest functions:
underfloor heating, Fan Coil selection tool and ventilation quotation tool



Daikin e-Care

Newest function:
20 installer settings to solve problems remotely



Stand By Me

Newest function:
20 installer settings for remote monitoring (SBM Pro)



Onecta App

Newest function:
voice control thanks to Amazon Alexa or Google Assistant

NEW

Error notification and 20 installer settings for remote support through SBM Pro and e-care app

From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

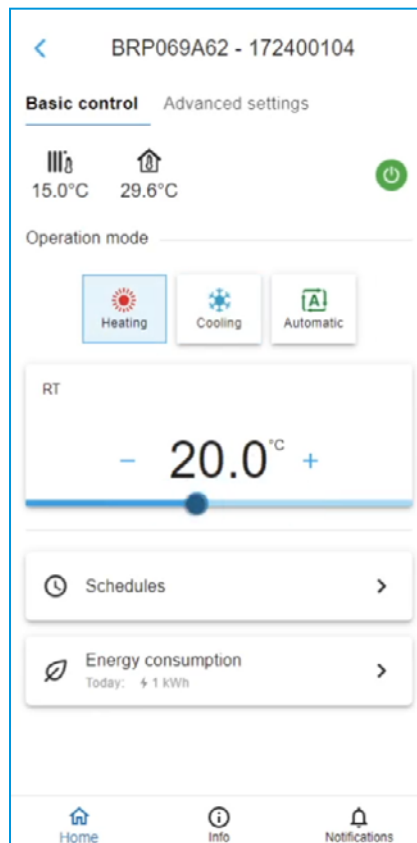
Space heating/cooling

Main zone & Additional zone (LWT)

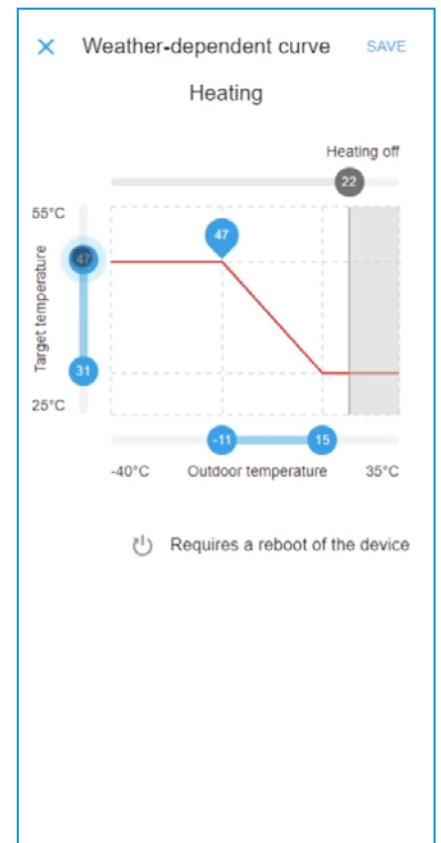
Domestic hot water

Room (RT)

Installer – Error handling



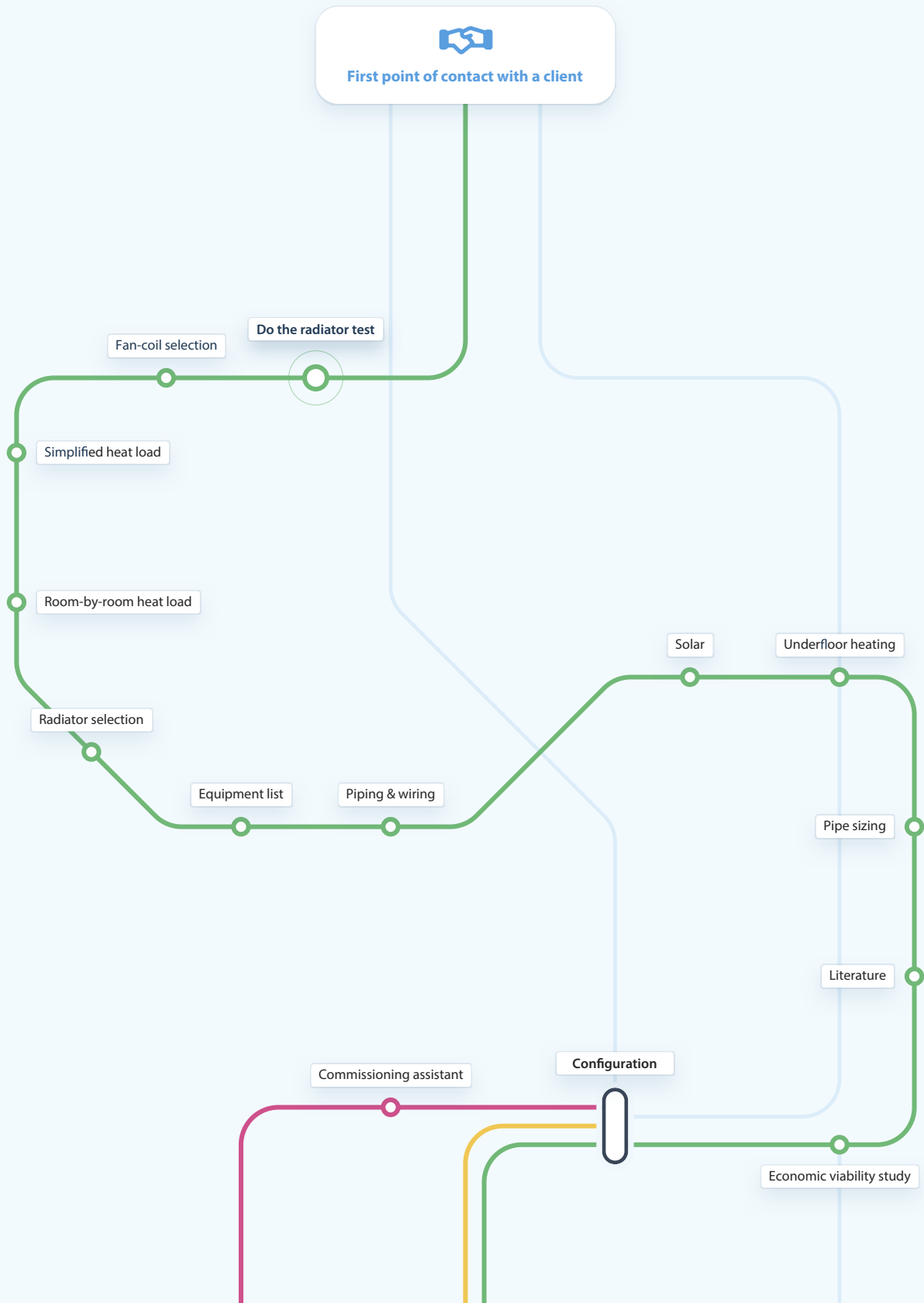
Adjust a room setpoint remotely

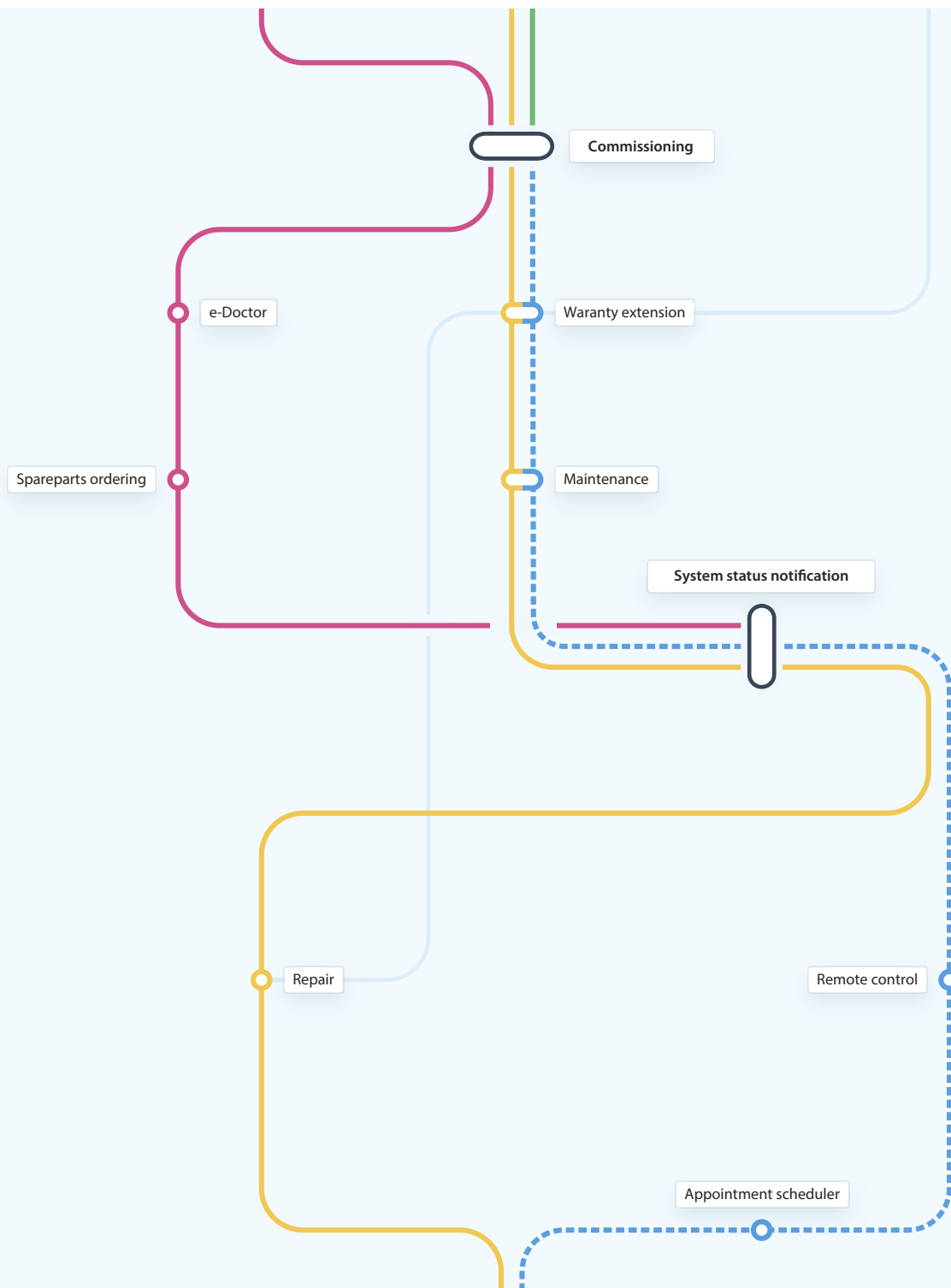


Adjust the weather-dependent curve remotely

All about the Heating Solutions Navigator

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes. With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





Heating Solutions Navigator

- Do the radiator test
- Fan-coil selection
- Simplified Heat load
- Room by Room heat load
- Commissioning assistant
- Equipment list
- Piping & wiring
- Solar
- Underfloor heating
- Pipe sizing
- Literature
- Economic viability study
- Configuration
- Commissioning

e-Care Mobile App

- Commissioning assistant
- Commissioning
- e-Doctor
- Spareparts ordering
- System status notifications

Stand By Me

- Configuration
- Commissioning
- Warranty extension
- System status notifications

Onecta App

- Warranty extension
- Maintenance
- Remote control
- Appointment scheduler



Heat pumps

Daikin Altherma 3 R (ERGA-E series, 4-8 kW)	56
Daikin Altherma 3 R F	58
Daikin Altherma 3 R ECH ₂ O	64
Daikin Altherma 3 R W	70
NEW Daikin Altherma 3 R (ERLA-D series, 11-16 kW)	76
Daikin Altherma 3 R F	82
Daikin Altherma 3 R ECH ₂ O	88
Daikin Altherma 3 R W	94
Daikin Altherma 3 H	100
Daikin Altherma 3 H F	102
Daikin Altherma 3 H W	108
NEW Daikin Altherma 3 M	114
Daikin Altherma M	124
NEW Daikin Altherma 3 H MT/HT	128
Daikin Altherma 3 H MT/HT F	136
Daikin Altherma 3 H MT/HT ECH ₂ O	144
Daikin Altherma 3 H MT/HT W	154
Daikin Altherma R HT	162
Daikin Altherma M HW	166
NEW Daikin Altherma M HW 2nd GEN	166
Daikin Altherma M HW	172
Daikin Altherma R HW	174
Daikin Altherma R Flex Type HT HW	176
Daikin Altherma R Flex Type	178
Daikin Altherma Ground source heat pump	180
Daikin Altherma 3 GEO	180
Daikin Altherma Hybrid heat pump	188
Daikin Altherma R Hybrid	191
Daikin Altherma R Hybrid + multi	192
Daikin Altherma H Hybrid	196



Daikin Altherma 3 R

powered by Bluevolution with R-32 refrigerant

Why choose Daikin Altherma 3 R?

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.



High performance

- › Leaving water temperature up to 65 °C at high efficiency
- › Suitable for both underfloor heating and radiators
- › Pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates
- › The Bluevolution technology offers the highest performance:
 - Seasonal efficiency up to A+++
 - Heating efficiency up to a COP of 5,1 (at 7 °C/35 °C)
 - Domestic hot water efficiency up to COP of 3,3 (EN16147)
- › Available in 4, 6 and 8 kW

Easy to install

- › Delivered ready to operate: all key hydraulic elements are factory mounted
- › All servicing can be done from the front and all pipings can be accessed at the top of the unit
- › Black and white modern design
- › Reduced installation time: the outdoor unit is tested and charged with refrigerant

Easy commissioning

- › Integrated high resolution colour interface
- › Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to operate
- › Configuration can take place remotely to upload later on the unit after the day of the installation

Easy to control

- › The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- › Control your system from anywhere at any time via the Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems



Control with Onecta app



Daikin Altherma 3 R offers a wide range to adapt to your customers needs

Best seasonal efficiencies
providing the highest savings on running costs

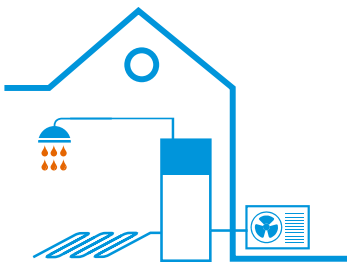
Perfect fit for

new buildings, as well as for low energy houses

A leaving water temperature up to 65 °C

makes it also a **suitable choice for refurbishments**

To cover all applications, the Daikin Altherma 3 R is available in **3 different indoor units**



Daikin Altherma 3 R F

Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

- › All components and connections are factory mounted
- › Very small 595 x 625 mm installation footprint required
- › Minimum electrical input with constantly available hot water
- › Dedicated Bi-Zone models available: two temperature zones automatically regulated by the same indoor unit
- › Modern stylish design available in white or silver-grey
- › Compatible with the Onecta app
- › Voice control available

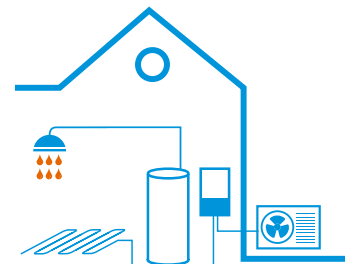


Daikin Altherma 3 R ECH₂O

Floor standing unit with integrated ECH₂O tank

Integrated solar unit and domestic hot water tank

- › Maximising renewable energy with top comfort for hot water preparation
- › Solar support for domestic hot water
- › Lightweight plastic tank
- › Bivalent option: can be combined with a secondary heat source
- › App control available



Daikin Altherma 3 R W

Wall mounted unit

High flexibility for installation and domestic hot water connection

- › Compact unit with small installation (almost no side clearance is required)
- › Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- › Stylish modern design
- › Compatible with the Onecta app
- › Voice control available



Daikin Altherma 3 R F

floor standing unit with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

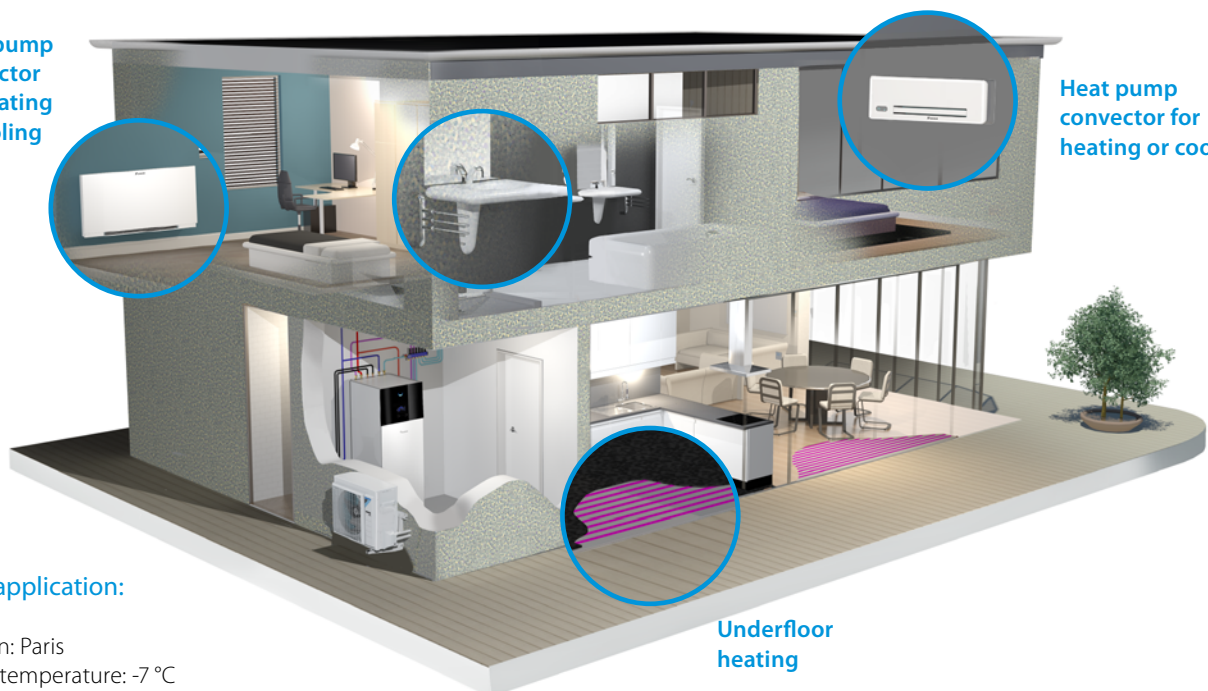
The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 3, 6, 9 kW
- > Dedicated Bi-Zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency

Domestic hot water

Heat pump convector for heating or cooling



Heat pump convector for heating or cooling

Underfloor heating

Typical application:

- > Location: Paris
- > Design temperature: -7 °C
- > Heat load: 7 kW
- > Heating off temperature: 16 °C

All-in one design

Reduces the installation footprint and height

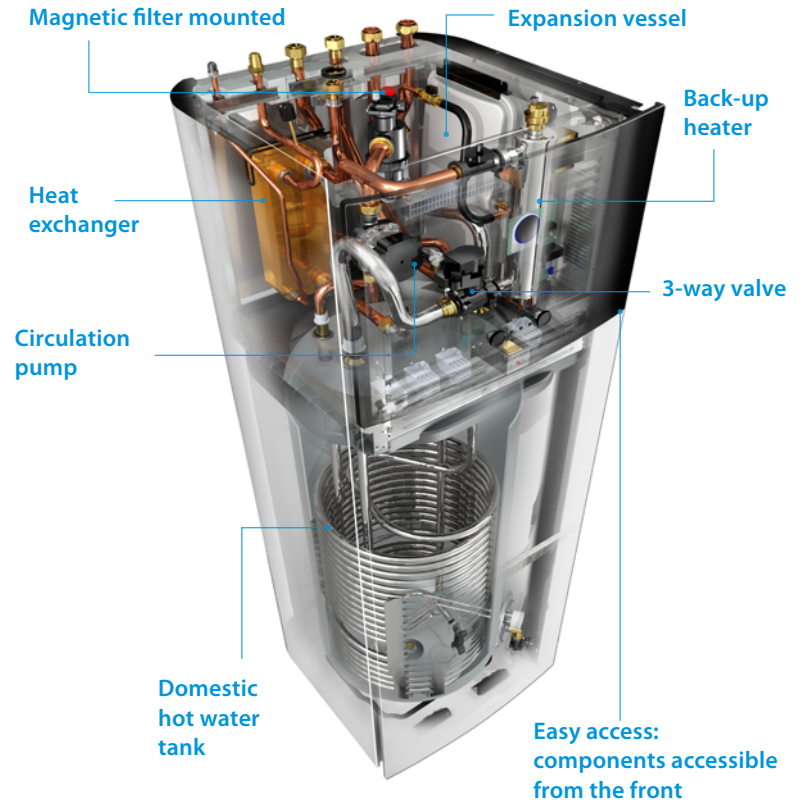
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for a 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

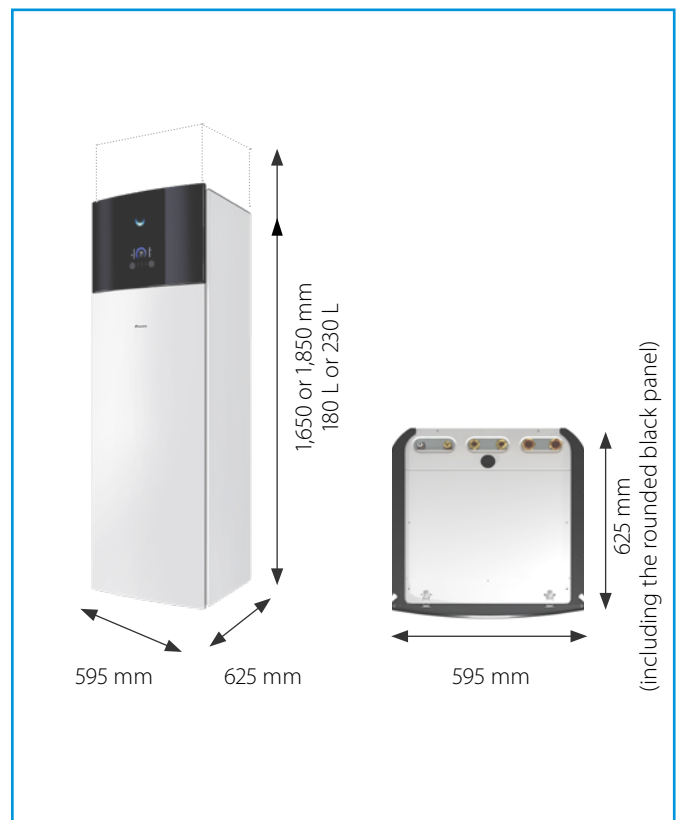
Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

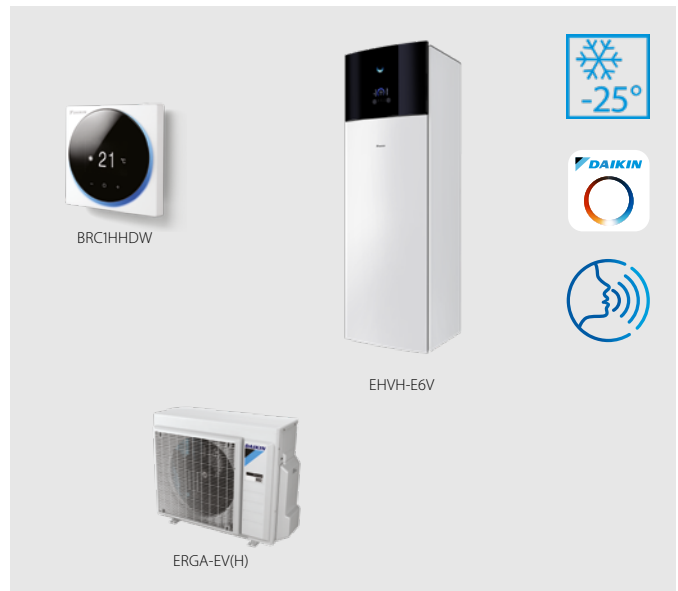
Integrated indoor unit



Daikin Altherma 3 R F

Floor standing air to water heat pump for heating and hot water; ideal for low energy houses

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Compatible with the Onecta app
- › Voice control available



up to **A+++** **A+** **65 °C** **R-32**

011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				EHVH + ERGA	04S18E 6V+ 04EV	04S23E 6V+ 04EV	08S18E6V/ E9W + 06EVH	08S23E6V/ E9W + 06EVH	08S18E6V/ E9W + 08EVH	08S23E6V/ E9W + 08EVH
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26			3.32			
			η _{sp} (Seasonal space heating efficiency)	127			130			
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++						
			SCOP	4.48			4.47		4.56	
			η _{sp} (Seasonal space heating efficiency)	176			179			
			Seasonal space heating eff. class	A+++						
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
	Average climate	η _{wh} (water heating efficiency)		125	133	125	133	125	133	
		Water heating energy efficiency class		A+						

Indoor Unit				EHVH	04S18E6V	04S23E6V	08S18E6VH/E9WH	08S23E6VH/E9WH	08S18E6VH/E9WH	08S23E6VH/E9WH
Casing	Colour	White + Black								
	Material	Resin / Sheet metal								
Dimensions	Unit	Height x Width x Depth	mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	
Weight	Unit		kg	119	128	119	128	119	128	
Tank	Water volume		l	180	230	180	230	180	230	
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°CDB						
		Water side	Max.	°C						
Sound power level	Nom.		dBA	42						
Sound pressure level	Nom.		dBA	28						

Outdoor Unit				ERGA	04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388			
Weight	Unit		kg	58.5			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Cooling	Min.~Max.	°CDB	10~43			
	Domestic hot water	Min.~Max.	°CDB	-25~35			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	1.50			
	Charge Control		TCO:Eq	1.01			
Sound power level	Heating	Nom.	dBA	58		60	62
		Nom.	dBA	61		62	
	Cooling	Nom.	dBA	44		47	49
		Nom.	dBA	48		49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V				
Current	Recommended fuses		A				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating, cooling and hot water; ideal for low energy houses

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 3, 6, 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

More details and final information can be found by scanning or clicking the QR codes.

up to **A+++** **A+** **65 °C** **R-32**



EHVX-E3V



EHVX-E6V



EHVX-E9W



ERGA-EV



ERGA-EVH

Efficiency data		EHVX + ERGA		04S18E3V/ E6V + 04EV		04S23E3V/ E6V + 04EV		08S18E6V/ E9W + 06EVH		08S23E6V/ E9W + 06EVH		08S18E6V/ E9W + 08EVH		08S23E6V/ E9W + 08EVH		
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		7.50 (1) / 7.80 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW		0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		1.63 (1) / 2.23 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.	kW		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)		6.25 (1) / 5.44 (2)		6.25 (1) / 5.44 (2)		
Power input	Cooling	Nom.	kW		0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)		1.16 (1) / 1.73 (2)		1.16 (1) / 1.73 (2)	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)		5.40 (1) / 3.14 (2)		5.40 (1) / 3.14 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.28		3.28		3.35		3.35		3.35		
			ηs (Seasonal space heating efficiency)	129		128		128		131		131		131		
			Seasonal space heating eff. class			A++		A++		A++		A++		A++		
			SCOP	4.54		4.52		4.52		4.61		4.61		4.61		
Average climate water outlet 35 °C	General	SCOP	179		178		178		181		181		181			
		ηs (Seasonal space heating efficiency)			A+++		A+++		A+++		A+++		A+++			
		Seasonal space heating eff. class			A+++		A+++		A+++		A+++		A+++			
		SCOP			A+++		A+++		A+++		A+++		A+++			
Domestic hot water heating	General	Declared load profile	L		XL		L		XL		L		XL			
		Average climate	%		127	125	134	133	125	133	125	133	125	133		
Water heating energy efficiency class				A+		A+		A+		A+		A+		A+		

Indoor Unit		EHVX		04S18E3V/E6V		04S23E3V/E6V		08S18E6V/E9W		08S23E6V/E9W		08S18E6V/E9W		08S23E6V/E9W					
Casing	Colour	White + Black																	
	Material	Resin / Sheet metal																	
Dimensions	Unit	Height x Width x Depth		mm		1,650 x 595 x 625		1,850 x 595 x 625		1,650 x 595 x 625		1,850 x 595 x 625		1,650 x 595 x 625		1,850 x 595 x 625			
Weight	Unit	kg		119		128		119		128		119		128		119		128	
	Water volume	l		180		230		180		230		180		230		180		230	
Tank	Maximum water temperature	°C		70		70		70		70		70		70		70		70	
	Maximum water pressure	bar		10		10		10		10		10		10		10		10	
Corrosion protection		Pickling																	
Operation range	Heating	Ambient	Min.~Max.	°C		5~30		5~30		5~30		5~30		5~30		5~30		5~30	
		Water side	Min.~Max.	°C		15~65		15~65		15~65		15~65		15~65		15~65		15~65	
	Cooling	Ambient	Min.~Max.	°CDB		5~35		5~35		5~35		5~35		5~35		5~35		5~35	
		Water side	Min.~Max.	°C		5~22		5~22		5~22		5~22		5~22		5~22		5~22	
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35		5~35		5~35		5~35		5~35		5~35		5~35	
		Water side	Max.	°C		70		70		70		70		70		70		70	
Sound power level	Nom.	dBA		42		42		42		42		42		42		42		42	
Sound pressure level	Nom.	dBA		28		28		28		28		28		28		28		28	

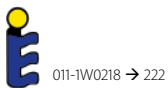
Outdoor Unit		ERGA		04EV		06EVH		08EVH		
Dimensions	Unit	Height x Width x Depth		mm		740 x 884 x 388		740 x 884 x 388		
Weight	Unit	kg		58.5		58.5		58.5		
Compressor	Quantity	1		1		1		1		
	Type	Hermetically sealed swing compressor		Hermetically sealed swing compressor		Hermetically sealed swing compressor		Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB		10~43		10~43		10~43	
	Domestic hot water	Min.~Max.	°CDB		-25~35		-25~35		-25~35	
Refrigerant	Type	R-32		R-32		R-32		R-32		
	GWP	675.0		675.0		675.0		675.0		
	Charge	kg		1.50		1.50		1.50		
	Charge	TCO ₂ Eq		1.01		1.01		1.01		
Control		Expansion valve		Expansion valve		Expansion valve		Expansion valve		
Sound power level	Heating	Nom.	dBA		58		60		62	
	Cooling	Nom.	dBA		61		62		62	
Sound pressure level	Heating	Nom.	dBA		44		47		49	
	Cooling	Nom.	dBA		48		49		50	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1N~/50/230		V3/1N~/50/230		V3/1N~/50/230		
Current	Recommended fuses	A		25		25		25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing integrated with **two different temperature zones monitoring**

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Compatible with the Onecta app
- › Voice control available



More details and final information can be found by scanning or clicking the QR codes.



EHVZ-E6V



EHVZ-E9W



ERGA-EV



ERGA-EVH

up to **A+++** **A+** **65 °C** **R-32**

Efficiency data		EHVZ + ERGA		04518 E6V + 04EV	08518 E6V/E9W + 06EVH	08523 E6V/E9W + 06EVH	08518 E6V/E9W + 08EVH	08523 E6V/E9W + 08EVH
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	kW		0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26		3.32		
			ηs (Seasonal space heating efficiency)	127		130		
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++				
			SCOP	4.48	4.47		4.56	
Domestic hot water heating	Average climate	General	ηwh (water heating efficiency)	125		133		
			Water heating energy efficiency class	A+				

Indoor Unit		EHVZ		04518E6V	08518E6V/E9W	08523E6V/E9W	08518E6V/E9W	08523E6V/E9W
Casing	Colour	White + Black						
	Material	Resin / Sheet metal						
Dimensions	Unit	Height x Width x Depth		1,650 x 595 x 625		1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625
Weight	Unit	kg		125		133	125	133
	Tank	Water volume		180		230	180	230
Operation range	Heating	Ambient	Min.~Max.	5~30		15~65		
		Water side	Min.~Max.	5~35		70		
Sound power level	Domestic hot water	Ambient	Min.~Max.	42		28		
		Water side	Max.					
Sound pressure level	Nom.	dBA		42		28		
		Nom.		dBA		28		
Outdoor Unit		ERGA		04EV	06EVH	08EVH		
Dimensions	Unit	Height x Width x Depth		740 x 884 x 388				
	Unit	kg		58.5				
Compressor	Quantity	1						
	Type	Hermetically sealed swing compressor						
Operation range	Cooling	Min.~Max.	10~43					
	Domestic hot water	Min.~Max.	-25~35					
Refrigerant	Type	R-32						
	GWP	675.0						
Sound power level	Charge	kg		1.50				
	Charge	TCO/Eq		1.01				
Sound pressure level	Heating	Nom.	dBA	58	60	62		
	Cooling	Nom.	dBA	61	62			
Power supply	Heating	Nom.	dBA	44	47	49		
	Cooling	Nom.	dBA	48	49	50		
Current	Name/Phase/Frequency/Voltage	Hz/V		V3/1N~/50/230				
	Recommended fuses	A		25				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





Floor standing unit with integrated ECH₂O tank

The Daikin Altherma low temperature split integrated ECH₂O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.

Intelligent storage management

- › The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- › Continuous heating during defrost mode and use of stored heat for space heating (500 l tank only)
- › Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

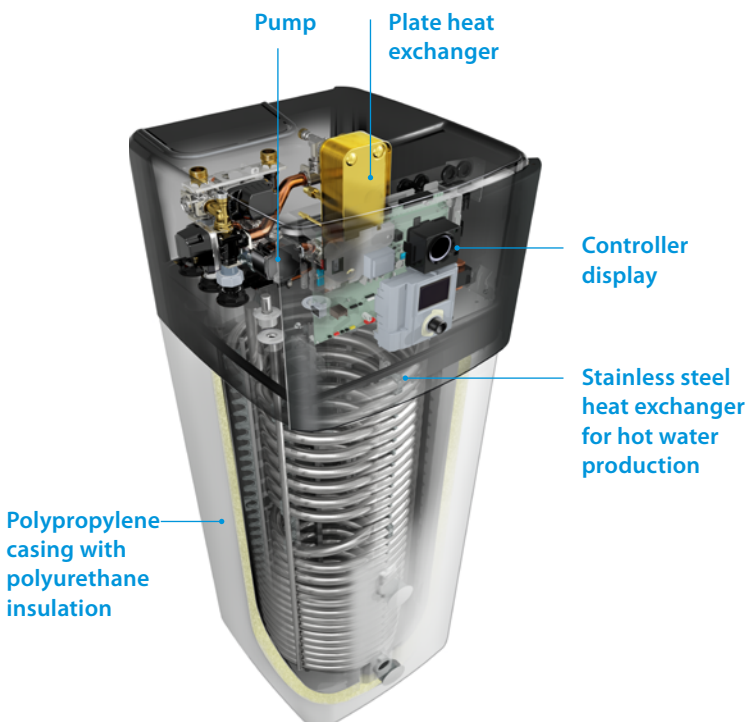
Innovative and high-quality tank

- › Lightweight plastic tank
- › No corrosion, anode, scale or lime deposits
- › Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

- › The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH₂O



Advanced user interface



The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH₂O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance

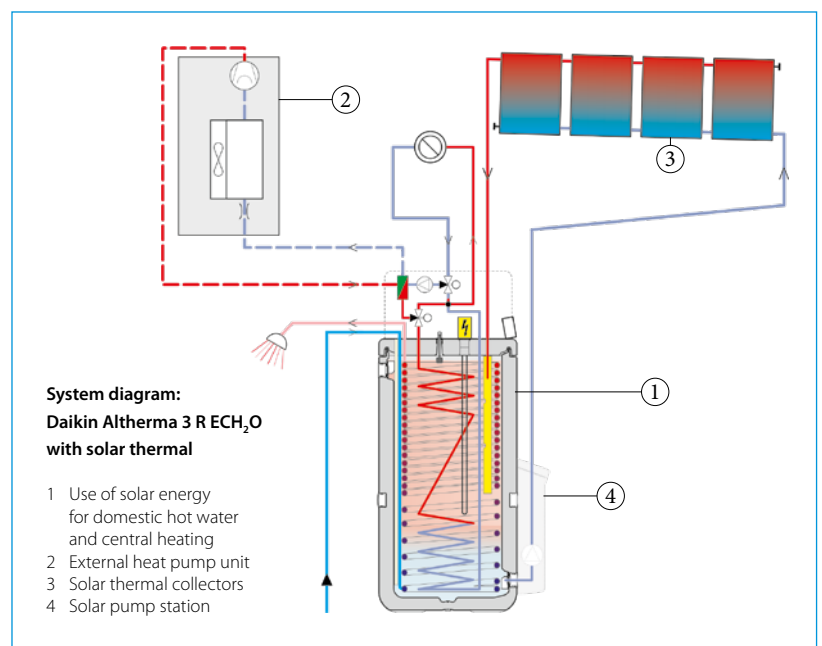
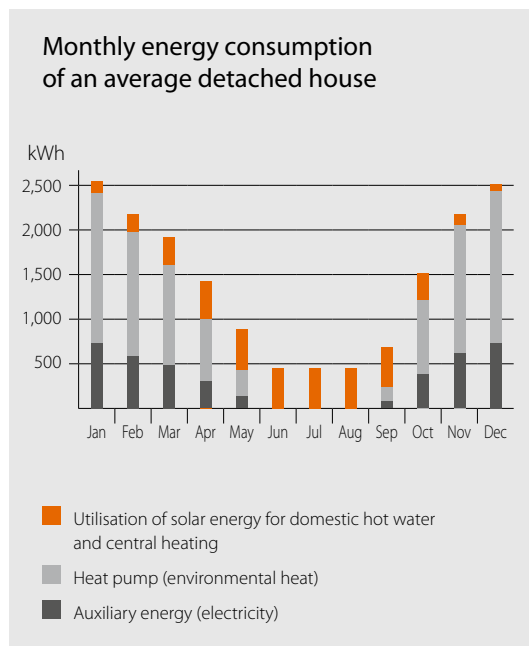
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Pressureless (drain-back) solar system (EHS_H-E, EHS_X-E)

- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system (EHS_HB-E, EHS_XB-E)

- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed



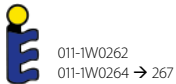
Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump
- › Compatible with the Onecta app
- › Voice control available



up to **A+++** **A+** **R-32**



More details and final information can be found by scanning or clicking the QR codes.



EHS-E



ERGA-EV



ERGA-EVH

Efficiency data		EHS-E + ERGA		04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH	
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW		0.84 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26		3.32			
			η _s (Seasonal space heating efficiency)	127		130			
	Average climate water outlet 35 °C	General	SCOP	4.48	4.47		4.56		
			η _s (Seasonal space heating efficiency)	176		179			
Domestic hot water heating		General	Declared load profile		L	XL	L	XL	
		Average climate	η _{wh} (water heating efficiency)		118	125	118	125	
			Water heating energy efficiency class		A+				

Indoor Unit		EHS-E		04P30E	08P30E	08P50E	08P30E	08P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	Height x Width x Depth		1,892 x 594 x 644		1,905 x 792 x 812		1,892 x 594 x 644	
	Unit			77		107		77	
Tank	Water volume			294		477		294	
	Maximum water temperature			85		85		85	
Operation range	Heating	Ambient	Min.~Max.	-25~-25		-25~-25		-25~-25	
		Water side	Min.~Max.	18~65		18~65		18~65	
	Domestic hot water	Ambient	Min.~Max.	-25~-35		-25~-35		-25~-35	
		Water side	Min.~Max.	25~55		25~55		25~55	
Sound power level	Nom.			39		39		39	

Outdoor Unit		ERGA		04EV	06EVH	08EVH				
Dimensions	Unit	Height x Width x Depth		740 x 884 x 388						
Weight	Unit			58.5						
Compressor	Quantity			1						
	Type			Hermetically sealed swing compressor						
Operation range	Cooling	Min.~Max.		10.0~43.0						
	Domestic hot water	Min.~Max.		-25 ~35						
Refrigerant	Type			R-32						
	GWP			675.0						
	Charge			1.50						
	Charge	TCO:Eq		1.01						
Sound power level	Heating	Nom.	dBa		58		60		62	
		Nom.	dBa		61		61		62	
	Cooling	Nom.	dBa		44		47		49	
Sound pressure level	Heating	Nom.		dBa		44		47		
	Cooling	Nom.		dBa		48		49		
Power supply	Name/Phase/Frequency/Voltage				V3/1N~/50/230					
Current	Recommended fuses				A					

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for **bivalent heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Compatible with the Onecta app
- › Voice control available



up to **A+++** **A+** **65°C** **R-32**

011-1W0262
011-1W0264 → 267

More details and final information can be found by scanning or clicking the QR codes.



EHSB-E



ERGA-EV



ERGA-EVH

Efficiency data				EHSB + ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH		
Heating capacity	Nom.			kW		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)			
Power input	Heating	Nom.		kW		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)			
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)			
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26				3.32			
			η _s (Seasonal space heating efficiency)	127				130			
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++							
			SCOP	4.48	4.47		4.56				
Domestic hot water heating	Average climate	General	η _s (Seasonal space heating efficiency)	176				179			
			Seasonal space heating eff. class	A+++							
			Declared load profile	L		XL		L		XL	
			Water heating energy efficiency class	118		125		118		125	

Indoor Unit				EHSB	04P30E	08P30E	08P50E	08P30E	08P50E		
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	Height x Width x Depth	mm	1,892 x 594 x 644		1,905 x 792 x 812		1,892 x 594 x 644		1,905 x 792 x 812	
	Unit		kg	79		110		79		110	
Tank	Water volume		l	294		477		294		477	
	Maximum water temperature		°C	85		85		85		85	
Operation range	Heating	Ambient	Min.~Max.	°C		-25~25		-25~25		-25~25	
		Water side	Min.~Max.	°C		18~65		18~65		18~65	
	Domestic hot water	Ambient	Min.~Max.	°CDB		-25~35		-25~35		-25~35	
		Water side	Min.~Max.	°C		25~55		25~55		25~55	
Sound power level	Nom.		dBA	39		39		39		39	

Outdoor Unit				ERGA	04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth	mm	740 x 884 x 388			
Weight	Unit		kg	58.5			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Cooling	Min.~Max.	°CDB	10.0~43.0			
	Domestic hot water	Min.~Max.	°CDB	-25 ~35			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	1.50			
	Charge		TCO:Eq	1.01			
Sound power level	Heating	Nom.	dBA	58	60		62
		Nom.	dBA	61	62		62
	Cooling	Nom.	dBA	44	47		49
		Nom.	dBA	48	49		50
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230			
Current	Recommended fuses		A	25			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

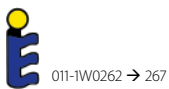
Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for **heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump
- › Compatible with the Onecta app
- › Voice control available



up to **A+++** **A+** **65 °C** **R-32**



011-1W0262 → 267

More details and final information can be found by scanning or clicking the QR codes.



EHSX-E



ERGA-EV



ERGA-EVH

Efficiency data		EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH		
Heating capacity	Nom.		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)			
Power input	Heating	Nom.	0.84 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)			
Cooling capacity	Nom.		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)			
Power input	Cooling	Nom.	0.81 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)			
COP			5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)			
EER			5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)			
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.28		3.35		
			η _s (Seasonal space heating efficiency)	129		128		131		
			Seasonal space heating eff. class			A++				
			SCOP	4.54		4.52		4.61		
Average climate water outlet 35 °C	General	SCOP	179		178		181			
		η _s (Seasonal space heating efficiency)			A+++					
		Seasonal space heating eff. class								
		SCOP								
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL		
		Average climate	118		125		118		125	
		Water heating energy efficiency class			A+					

Indoor Unit		EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	Height x Width x Depth	1,892 x 594 x 644	1,905 x 792 x 812	1,892 x 594 x 644	1,905 x 792 x 812	1,892 x 594 x 644	1,905 x 792 x 812	
	Unit	Height x Width x Depth	mm	77	107	77	107	77	107
Weight	Unit	Height x Width x Depth	kg	294	477	294	477	294	477
	Unit	Height x Width x Depth	kg	77	107	77	107	77	107
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	-25~-25					
		Water side	Min.~Max.	18~-65					
	Cooling	Ambient	Min.~Max.	°CDB 10~43					
		Water side	Min.~Max.	°C 5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB -25~35					
		Water side	Min.~Max.	°C 25~55					
Sound power level	Nom.		dBa	39					

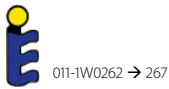
Outdoor Unit		ERGA	04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth	740 x 884 x 388		
Weight	Unit	Height x Width x Depth	kg 58.5		
Compressor	Quantity		1		
	Type		Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB 10.0~43.0		
	Domestic hot water	Min.~Max.	°CDB -25~35		
Refrigerant	Type		R-32		
	GWP		675.0		
	Charge	kg	1.50		
	Charge	TCO:Eq	1.01		
Sound power level	Heating	Nom.	58	60	62
	Cooling	Nom.	61		62
	Heating	Nom.	44	47	49
	Cooling	Nom.	48	49	50
Power supply	Name/Phase/Frequency/Voltage		Hz/V 230/1/50/230		
Current	Recommended fuses		A 25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Compatible with the Onecta app
- › Voice control available



More details and final information can be found by scanning or clicking the QR codes.

up to **A+++** **A+** **65 °C** **R-32**



Efficiency data			EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH	08P50E + 08EVH
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.	kW	0.84 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.		kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Cooling	Nom.	kW	0.81 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.28		3.35	
			η _s (Seasonal space heating efficiency) %	129		128		131	
			Seasonal space heating eff. class			A++			
			SCOP	4.54		4.52		4.61	
Space heating	Average climate water outlet 35 °C	General	η _s (Seasonal space heating efficiency) %	179		178		181	
			Seasonal space heating eff. class			A+++			
			SCOP						
			Water heating energy efficiency class						
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL	
		η _{wh} (water heating efficiency) %	118	125	118	125	118	125	
		Water heating energy efficiency class	A+						

Indoor Unit		EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	Height x Width x Depth	mm	1,892 x 594 x 644	1,905 x 792 x 812	1,892 x 594 x 644	1,905 x 792 x 812	1,892 x 594 x 644	1,905 x 792 x 812
	Unit	Weight	kg	79	110	79	110	79	110
Tank	Water volume	l	294	477	294	477	294	477	
	Maximum water temperature	°C	85						
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Sound power level	Nom.	dBA	39						

Outdoor Unit		ERGA	04EV	06EVH	08EVH	
Dimensions	Unit	Height x Width x Depth	mm			740 x 884 x 388
Weight	Unit	kg	58.5			
Compressor	Quantity	1				
	Type	Hermetically sealed swing compressor				
Operation range	Cooling	Min.~Max.	°CDB			
	Domestic hot water	Min.~Max.	°CDB			
Refrigerant	Type	R-32				
	GWP	675.0				
	Charge	kg	1.50			
	Charge	TCO ₂ Eq	1.01			
Sound power level	Heating	Nom.	dBA	58	60	62
	Cooling	Nom.	dBA	61	62	
	Heating	Nom.	dBA	44	47	49
Sound pressure level	Heating	Nom.	dBA	44	47	49
	Cooling	Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1N~/50/230			
Current	Recommended fuses	A	25			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

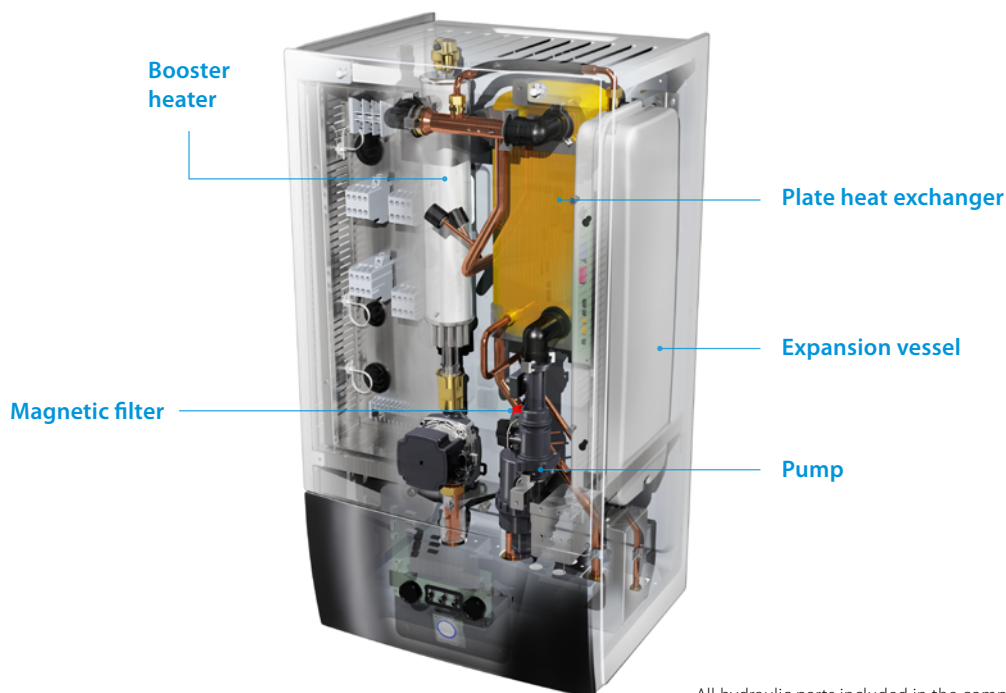
Wall mounted unit

Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R W wall mounted unit offers **heating and cooling** with high flexibility for a quick and easy installation, **with an optional connection to deliver domestic hot water.**

High flexibility for installation and domestic hot water connection

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel or ECH₂O thermal store



All hydraulic parts included in the compact wall mounted unit.

Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH₂O thermal stores.

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: with high tapping performance
- › Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



Example of installation with a stainless steel domestic hot water tank (EKHWS-D).

Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH₂O thermal store
- › Outdoor unit extracts heat from the outdoor air, even at -25 °C
- › Compatible with the Onecta app
- › Voice control available



up to **A+++** **65 °C** **R-32**

011-1W0218-219
011-1W0221
011-1W0246-247

More details and final information can be found by scanning or clicking the QR codes.



EHBH-E6V



EHBH-E9W



ERGA-EV



ERGA-EVH

Efficiency data		EHBH + ERGA		04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH	08E9W + 08EVH	
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	kW		0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.26		3.32			
			η _s (Seasonal space heating efficiency)	127		130			
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++					
			SCOP	4.48	4.47		4.56		
			η _s (Seasonal space heating efficiency)	176		179			
			Seasonal space heating eff. class	A+++					
Indoor Unit		EHBH		04E6V	08E6V	08E9W	08E6V	08E9W	
Casing	Colour	White + Black							
	Material	Resin, sheet metal							
Dimensions	Unit	Height x Width x Depth		840 x 440 x 390					
Weight	Unit	kg		42.0		42.4	42.0	42.4	
	Heating	Water side	Min.~Max.	°C		15 ~65			
Operation range	Domestic hot water	Water side	Min.~Max.	°C		25~75			
	Nom.	dBA		42					
Sound pressure level	Nom.	dBA		28					
Outdoor Unit		ERGA		04EV	06EVH	08EVH			
Dimensions	Unit	Height x Width x Depth		740 x 884 x 388					
Weight	Unit	kg		58.5					
Compressor	Quantity	1							
	Type	Hermetically sealed swing compressor							
Operation range	Cooling	Min.~Max.	°CDB		10~43				
	Domestic hot water	Min.~Max.	°CDB		-25~35				
Refrigerant	Type	R-32							
	GWP	675.0							
	Charge	kg		1.50					
	Charge Control	TCO:Eq		1.01					
Sound power level	Heating	Nom.	dBA	58	60		62		
	Cooling	Nom.	dBA	61		62			
	Heating	Nom.	dBA	44	47		49		
Sound pressure level	Cooling	Nom.	dBA	48		49		50	
	Power supply	Name/Phase/Frequency/Voltage		V3/1N~/50/230					
Current	Recommended fuses		A				25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH₂O thermal store
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



up to **A+++** **65 °C** **R-32**

011-1W0218-219
011-1W0221
011-1W0246-247

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data		EHBX + ERGA		04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH	08E9W + 08EVH	
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW		0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.	kW		4.86 (1) / 4.52 (2)	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)		
Power input	Cooling	Nom.	kW		0.810 (1) / 1.36 (2)	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	129		128		131	
			Seasonal space heating eff. class	A++					
			SCOP	4.54		4.52		4.61	
Space heating	Average climate water outlet 35 °C	General	SCOP	179		178		181	
			ηs (Seasonal space heating efficiency)	179		178		181	
			Seasonal space heating eff. class	A+++					
			SCOP	4.54		4.52		4.61	

Indoor Unit		EHBX		04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour	White + Black						
	Material	Resin, sheet metal						
Dimensions	Unit	Height x Width x Depth		840 x 440 x 390				
Weight	Unit	kg		42.0		42.4		42.4
	Heating	Water side	Min.~Max.	°C		15 ~65		25~75
Operation range	Domestic hot water	Water side	Min.~Max.	°C		25~75		25~75
	Sound power level	Nom.	dBA		42		28	
Sound pressure level	Nom.	dBA		42		28		28

Outdoor Unit		ERGA		04EV	06EVH	08EVH
Dimensions	Unit	Height x Width x Depth		740 x 884 x 388		
Weight	Unit	kg		58.5		
Compressor	Quantity	1		1		
	Type	Hermetically sealed swing compressor		Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB		10~43	
	Domestic hot water	Min.~Max.	°CDB		-25~35	
Refrigerant	Type	R-32		R-32		
	GWP	675.0		675.0		
	Charge	kg		1.50		
	Charge	TCO:Eq		1.01		
Sound power level	Heating	Nom.	dBA		58	
	Cooling	Nom.	dBA		61	
Sound pressure level	Heating	Nom.	dBA		44	
	Cooling	Nom.	dBA		48	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1N~/50/230		
Current	Recommended fuses	A		25		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Combination table and options

Combination table and options			Floor standing				
			Heating only		Reversible		Biz
			EHVH04S18E6V	EHVH08S18E6V	EHVX04S18E3V	EHVX08S18E6V	EHVZ04S18E6V
			EHVH04S23E6V	EHVH08S23E6V	EHVX04S23E3V	EHVX08S23E6V	
				EHVH08S18E9W	EHVX04S18E6V	EHVX08S18E9W	
				EHVH08S23E9W	EHVX04S23E6V	EHVX08S23E9W	
Type	Description	Material name					
Outdoor unit	4kW	ERGA04EAV3	•		•		•
	6kW	ERGA06EAV3H		•		•	
	8kW	ERGA08EAV3H		•		•	
Controls	Madoka wired room thermostat	BRC1HHDK/S/W	•	•	•	•	•
	Wireless room thermostat	EKRTR1	•	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•	•
	Wired gital thermostat	EKRTWA	•	•	•	•	•
	LAN adapter + PRV solar	BRP069A61					
	LAN adapter	BRP069A62					
	WLAN module	BRP069A71	• (1)	• (1)	• (1)	• (1)	• (1)
	WLAN cartridge	BRP069A78	• (1)	• (1)	• (1)	• (1)	• (1)
	Universal centralized controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	•	•	•	•	•
Sensors	Remote indoor sensor	KRCS01-1	• (2)	• (2)	• (2)	• (2)	• (2)
	Remote outdoor sensor	EKRSCA1	• (2)	• (2)	• (2)	• (2)	• (2)
	External sensor for EKRTTR room thermostat	EKRTETS	• (3)	• (3)	• (3)	• (3)	• (3)
	External sensor for EKRTTB room thermostat	EKRTETSB	• (4)	• (4)	• (4)	• (4)	• (4)
Bizone kits	Watts kit	BZKA7V3	•	•	•	•	
	Generic bizone kit	EKMIKPOAF					
	Generic bizone kit	EKMIKPHAF					
Domestic hot water	DHW tank	EKHWS(U)-D(3)V3					
	Thermal stores	EKHWP-(P)B					
	Third party tank kit	EKHY3PART					
	Third party tank kit	EKHY3PART2					
Heat pump convector	Floor standing	FWXV15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
	Wall mounted	FWXT15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
	Concealed	FWXM15/20/25*	• (6)	• (6)	• (6)	• (6)	• (6)
Other options	Digital I/O PCB	EKRPIHBAA	• (7)	• (7)	• (7)	• (7)	• (7)
	Demand PCB	EKRPIAHTA	•	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•	•
	Relay smart grid	EKRESLG	•	•	•	•	•
	Corner pipe bend kit	EKHVTC	•	•	•	•	•
Dedicated ECH ₂ O options	Inline back-up heater (3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V					
	Inline back-up heater (6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V					
	Inline back-up heater (9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W					
	Inline back-up heater connection kit	EKECBUCO3AF					
	Dirt separator	156021					
	Bivalent connector kit	EKECBIVCO2AF					
	Drain-back connector kit	EKECDBCO2AF					
	Circulation stop valves (2 pcs)	165070					
	Fill and drain connection KFE BA	165215					

- (1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (In case bad reception of signal, the W-LAN cartridge can be removed and replace by WLAN module)
- (2) Only 1 sensor can be connected: indoor OR outdoor sensor.
- (3) Can only be used in combination with the wireless room thermostat EKRTTR(1).
- (4) Can only be used in combination with the wireless room thermostat EKRTTB.

Zone	ECH ₂ O				Wall mounted			
	Standard		Bivalent		Heating only		Reversible	
	EHSX04P30E	EHSX08P30E	EHSX04P30E	EHSX08P30E	EHBH04E6V	EHBH08E6V	EHBX04E6V	EHBX08E6V
EHVZ08S18E6V	EHSX04P30E	EHSX08P30E	EHSX04P30E	EHSX08P30E	EHBH04E6V	EHBH08E6V	EHBX04E6V	EHBX08E6V
EHVZ08S23E6V		EHSX08P50E		EHSX08P50E		EHBH08E9W		EHBX08E9W
EHVZ08S18E9W		EHSX04P30E		EHSX04P30E				
EHVZ08S23E9W		EHSX04P50E		EHSX04P50E				
		EHSX08P30E		EHSX08P30E				
		EHSX08P50E		EHSX08P50E				
	•		•		•		•	
•		•		•		•		•
•		•		•		•		•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
•	•	•	•	•	•	•	•	•
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)
• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)
• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)	• (4)
					•	•	•	•
	•	•	•	•				
	•	•	•	•				
					•	•	•	•
					•	•	•	•
					•	•	•	•
					• (5)	• (5)	• (5)	• (5)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (7)					• (7)	• (7)	• (7)	• (7)
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	•	•	•	•				
			•	•				
	•	•		•				
	•	•	•	•				
	•	•	•	•				

- (5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor
- (6) Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).
- (7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
- (8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6TI-model applicable). EKECBUCO*AF is needed to connect the backup heater to the main unit.



Daikin Altherma 3 R

The power pact



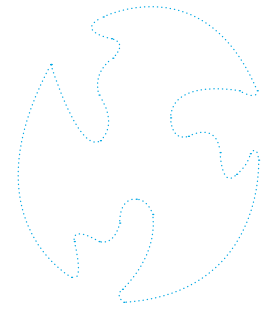
The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

Improved compactness

A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.



A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



1,100 mm



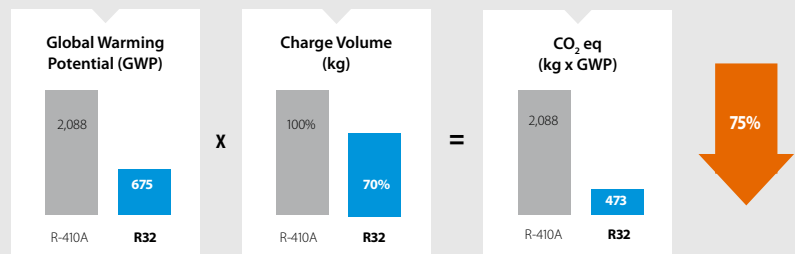
Check out the improved compactness!



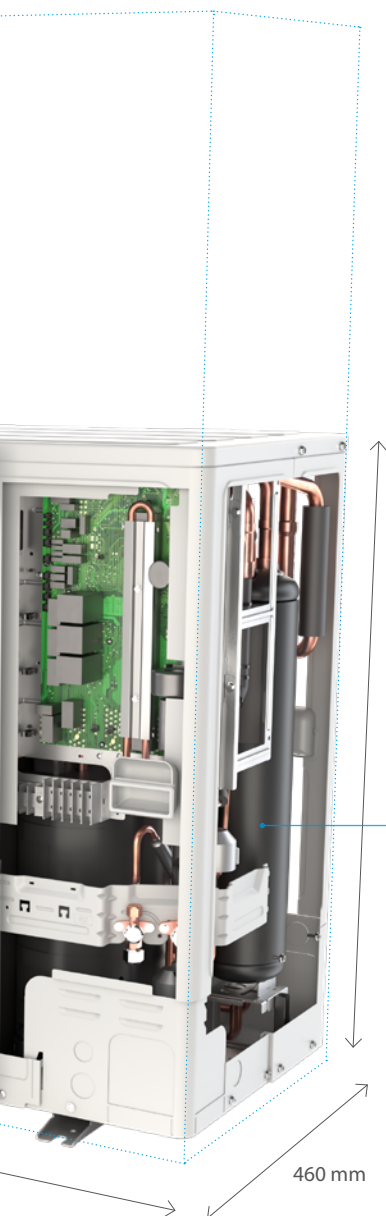
Running on refrigerant R-32

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

Reduced environmental impact: CO₂eq > 75% reduction
 > GWP: R410A: 2,088 > R32: 675
 > 30% less refrigerant charge needed



R-32 BLUEEVOLUTION



870 mm

460 mm

Ideal for small spaces

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.



Improved design



Meeting modern society expectations

Outside, the outdoor unit blends in thanks to its black front grille. The horizontal lines of the grille hides the fan from view, making it more discreet.

In Europe, design has a huge importance. That's why, at Daikin, we have developed a new design line for outdoor units.

Customers invest in their property to make it look better and more sustainable, heat pumps must thick all boxes.



Check out the improved design!





Discretion and peace of mind

As a third generation Daikin Altherma heat pump, indoor units gather all the installation and design improvements, rewarded in 2018 by RedDot, iF and Plus X awards.

Daikin indoor units can be installed in different places, garage, basement, utility room or even a kitchen while still blending in with the indoor design.

The units have also been designed to ease the work of the installer and therefore contribute to your peace of mind!



reddot award 2018
winner



reddot award 2018
winner



Improved
performance

All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to 60°C at -7°C outside, the unit is intended for new buildings. The unit operations are ensured down to -25°C outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.

World first in its category

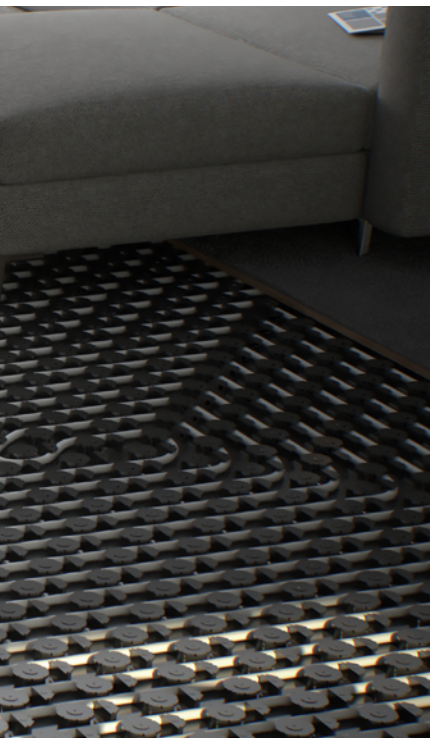
Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

The unit includes a patented plate heat exchanger, positioning once more Daikin as the heat pump leader.



Check out the
improved performance!





Underfloor heating



Heat pump convector



Daikin Altherma 3 R, a complete offer

- Space Heating
- Space Cooling
- Domestic hot water
- App and voice control
- Flexible emitter choice
- All year round peace of mind



Daikin Altherma 3 R F

Floor standing unit with integrated tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

All in one system to save installation space and time

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- › Inclusion of all hydraulic components means no third party components are required.
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 634 mm
- › Integrated back-up heater choice of 6, 9 kW models are available
- › Dedicated bi-zone models allowing temperature monitoring for 2 zones.

Heating and cooling

Floor standing with integrated tank for domestic hot water



Underfloor heating

All-in one design

Reduces the installation footprint and height

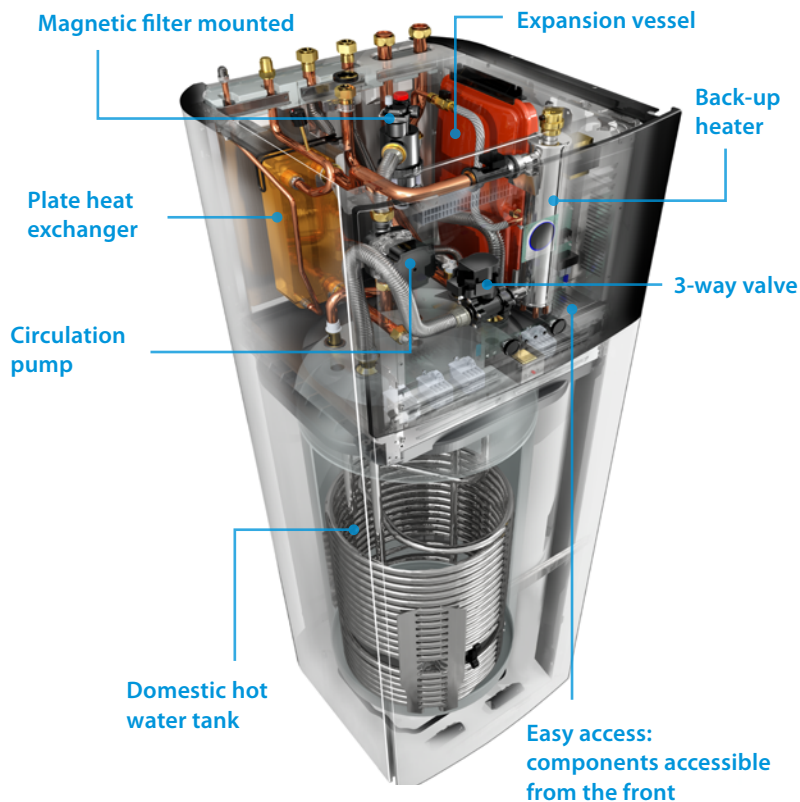
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 R F

Floor standing air to water heat pump for heating and hot water

- > A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C



up to **A+++** up to **A+** **60°C** **R-32**

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				EBVH + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV/W	16S23D6V/9W + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP	3.23		3.22		3.32		
			ηs (Seasonal space heating efficiency)	126		130		130		
	Average climate water outlet 35°C	General	SCOP	4.63		A++		4.61		
			ηs (Seasonal space heating efficiency)	182		181		181		
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
		Average COPdhw		2.73	2.63	2.73	2.63	2.73	2.63	
	climate	ηwh (water heating efficiency)	%	116	109	116	109	116	109	
		Water heating energy efficiency class		A+	A	A+	A	A+	A	

Indoor Unit		EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W
Casing	Colour	White + Black						
	Material	Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,655x595x634	1,655x595x634
Weight	Unit		kg	124	133	124	133	124
Tank	Water volume		l	180	230	180	230	180
	Maximum water temperature		°C	70				
	Maximum water pressure		bar	10				
	Corrosion protection			Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
	Domestic hot water	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
Sound power level	Nom.		dBA	44				
Sound pressure level	Nom.		dBA	30				

Outdoor Unit		ERLA	11DV3/W1	14DV3/W1	16DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460	
Weight	Unit		kg	101	
Compressor	Quantity			1	
	Type			Hermetically sealed swing inverter compressor	
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35	
	Cooling	Min.~Max.	°CDB	10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35	
Refrigerant	Type			R-32	
	GWP			675	
	Charge		kg	3,80	
	Charge		TCO ₂ Eq	2,57	
	Control			Expansion valve	
LW(A) Sound power level (according to EN14825)				62	
Sound pressure level (at 1 meter)	Nom.			48	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400	
Current	Recommended fuses		A	32/16	

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating, cooling and hot water

- > A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C

More details and final information can be found by scanning or clicking the QR codes.



EBVX-D6V



EBVX-D9W



ERLA11-16DV3



ERLA11-16DW1



Efficiency data				EBVX + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV/W	16S23D6V/9W + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP	3.27		3.26		3.35		
			ηs (Seasonal space heating efficiency) %	128		128		131		
			Seasonal space heating eff. class	A++						
Average climate water outlet 35°C	General	SCOP	4.72		4.68		4.68			
		ηs (Seasonal space heating efficiency) %	186		184		184			
		Seasonal space heating eff. class	A+++							
Domestic hot water heating	Average climate	General	Declared load profile	L	XL	L	XL	L	XL	XL
			COPdhw	2.73	2.63	2.73	2.63	2.73	2.63	
			ηwh (water heating efficiency) %	116	109	116	109	116	109	
			Water heating energy efficiency class	A+	A	A+	A	A+	A	

Indoor Unit				EBVX	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,855x595x634
Weight	Unit	kg								
Tank	Water volume	l								
	Maximum water temperature	°C								
	Maximum water pressure	bar								
	Corrosion protection	Pickling								
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.	dBA								
Sound pressure level	Nom.	dBA								

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460			
Weight	Unit	kg					
Compressor	Quantity	1					
	Type	Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.	°CDB				
	Cooling	Min.~Max.	°CDB				
	Domestic hot water	Min.~Max.	°CDB				
Refrigerant	Type	R-32					
	GWP	675					
	Charge	kg					
	Charge	TCO ₂ Eq					
	Control	Expansion valve					
LW(A) Sound power level (according to EN14825)	62						
Sound pressure level (at 1 meter)	Nom.	48					
Power supply	Name/Phase/Frequency/Voltage	Hz/V					
Current	Recommended fuses	A					

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R F

Floor standing integrated with two different temperature zones monitoring

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 634 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -25°C

More details and final information can be found by scanning or clicking the QR codes.



EBVZ-D6V



EBVZ-D9W



ERLA11-16DV3



ERLA11-16DW1



Efficiency data				EBVZ + ERLA		16S18D6V/9W + 16S23D6V/9W + 16S18D6V/9W + 16S23D6V/9W + 16S18D6V/9W + 16S23D6V/9W + 16S18D6V/9W + 16S23D6V/9W + 16S18D6V/9W + 16S23D6V/9W			
				11DV/W	11DV/W	14DV/W	14DV/W	16DV/W	16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP	3.23		3.22		3.32	
		η _s (Seasonal space heating efficiency) %			131		126		130
	Seasonal space heating eff. class					A++			
	Average climate water outlet 35°C	General	SCOP	4.61		4.60		4.61	
η _s (Seasonal space heating efficiency) %			182		181				
Seasonal space heating eff. class					A+++				
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
	Average climate	COP _{dhw}		2.73	2.63	2.73	2.63	2.73	2.63
	η _{wh} (water heating efficiency) %			116	109	116	109	116	109
	Water heating energy efficiency class			A+	A	A+	A	A+	A

Indoor Unit				EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S23D6V/9W	16S23D6V/9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,855x595x634
Weight	Unit	kg		137	145	137	145	137	145	145
Tank	Water volume		l	180	230	180	230	180	230	230
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection		Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 35					
		Water side	Min.~Max.	°C	18 ~ 60					
	Domestic hot water	Ambient	Min.~Max.	°C	-25 ~ 25					
		Water side	Min.~Max.	°C	10 ~ 60					
Sound power level	Nom.	dBA		44						
Sound pressure level	Nom.	dBA		30						

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1	
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460				
Weight	Unit	kg		101				
Compressor	Quantity		1					
	Type		Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35				
	Cooling	Min.~Max.	°CDB	10 ~ 43				
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35				
Refrigerant	Type		R-32					
	GWP		675					
	Charge		kg	3.80				
	Charge		TCO ₂ Eq	2.57				
	Control		Expansion valve					
LW(A) Sound power level (according to EN14825)			62					
Sound pressure level (at 1 meter)	Nom.		48					
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230 / W1/3~/50/400			
Current	Recommended fuses		A		32/16			

This product contains fluorinated greenhouse gases.



Daikin Altherma 3 R ECH₂O

Floor standing unit with integrated ECH₂O tank

The Daikin Altherma low temperature split integrated ECH₂O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

- › The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- › Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- › Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

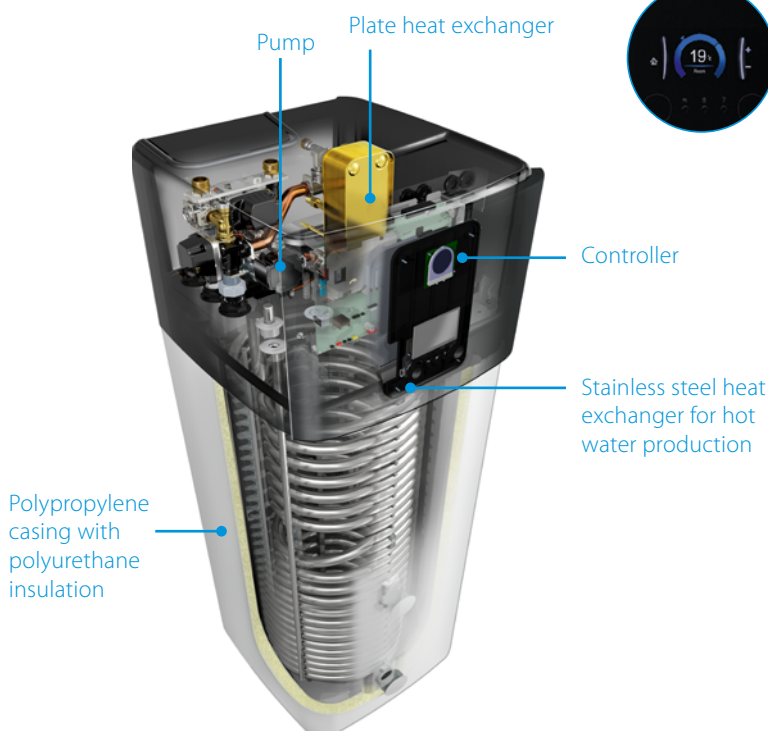
Innovative and high-quality tank

- › Lightweight plastic tank
- › No corrosion, anode, scale or lime deposits
- › Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

- › The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH₂O



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH₂O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

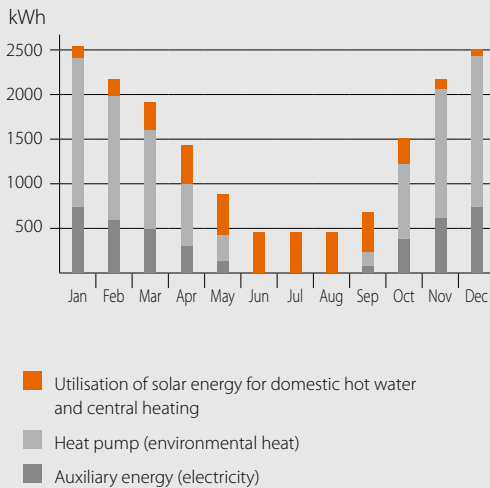
Pressureless (drain-back) solar system EBSH-D, EBSX-D

- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system EBSHB-D, EBSXB-D

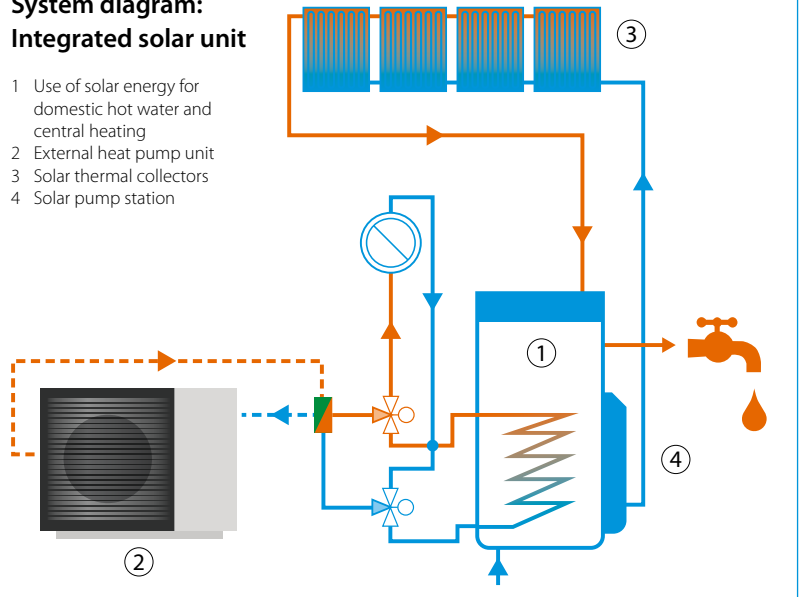
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma 3 R ECH₂O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -25°C



up to

More details and final information can be found by scanning or clicking the QR codes.



EBSHB-D



ERLA11-16DV3



ERLA11-16DW1

Efficiency data				EBSHB + ERLA		11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP	3.23		3.22		3.32		3.32	
			ηs (Seasonal space heating efficiency) %	126		126		130		130	
	Average climate water outlet 35°C	General	SCOP	4.63		4.60		4.61		4.61	
			ηs (Seasonal space heating efficiency) %	182		181		181		181	
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	L	XL
		Average climate	COPdhw	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10
		ηwh (water heating efficiency) %	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128	
		Water heating energy efficiency class	A+++		A+		A+		A+		A+

Indoor Unit				EBSHB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,910x792x817
Weight	Unit		kg	94	117	94	117	94	117	117
Tank	Water volume		l	294	477	294	477	294	477	477
	Maximum water temperature		°C	85						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.		dBA	44.7						
Sound pressure level	Nom.		dBA	36.8						

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460			
Weight	Unit		kg	101			
Compressor	Quantity			1			
	Type			Hermetically sealed swing inverter compressor			
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35			
	Cooling	Min.~Max.	°CDB	10 ~ 43			
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	3.80			
	Charge		TCO ₂ Eq	2.57			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)				62			
Sound pressure level (at 1 meter)	Nom.			48			
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400			
Current	Recommended fuses		A	32/16			

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



up to

More details and final information can be found by scanning or clicking the QR codes.



EBSX-D



ERLA11-16DV3



ERLA11-16DW1

Efficiency data				EBSX + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		3.27			3.26		3.35
			ηs (Seasonal space heating efficiency) %		128			131		
	Seasonal space heating eff. class			A++						
	Average climate water outlet 35°C	General	SCOP		4.72			4.68		
ηs (Seasonal space heating efficiency) %				186			184			
Seasonal space heating eff. class			A+++							
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
		Average COPdhw		2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	2.73 / 2.75	3.05 / 3.10	
	Average climate	ηwh (water heating efficiency) %		115 / 116	126 / 128	115 / 116	126 / 128	115 / 116	126 / 128	
	Water heating energy efficiency class			A+						

Indoor Unit				EBSX	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit		kg	93	114	93	114	93	114	
Tank	Water volume		l	294	477	294	477	294	477	
	Maximum water temperature		°C	85						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.		dB(A)	44.7						
Sound pressure level	Nom.		dB(A)	36.8						

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460			
Weight	Unit		kg	101			
Compressor	Quantity			1			
	Type			Hermetically sealed swing inverter compressor			
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35			
	Cooling	Min.~Max.	°CDB	10 ~ 43			
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	3.80			
	Charge		TCO ₂ Eq	2.57			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)				62			
Sound pressure level (at 1 meter)	Nom.			48			
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400			
Current	Recommended fuses		A	32/16			

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R ECH₂O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -25°C



up to

More details and final information can be found by scanning or clicking the QR codes.



EBSXB-D



ERLA11-16DV3



ERLA11-16DW1

Efficiency data				EBSXB + ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	
Space heating	Average climate water outlet 55°C	General	SCOP	3.27			3.26		3.35		
			ηs (Seasonal space heating efficiency) %	128			131				
	Seasonal space heating eff. class			A++							
	Average climate water outlet 35°C	General	SCOP	4.72			4.68				
ηs (Seasonal space heating efficiency) %			186			184					
Seasonal space heating eff. class			A+++								
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
		Average climate	COPdhw	2.73 / 2.75		3.05 / 3.10		2.73 / 2.75		3.05 / 3.10	
	Average climate	General	ηwh (water heating efficiency) %	115 / 116		126 / 128		115 / 116		126 / 128	
			Water heating energy efficiency class			A+					

Indoor Unit				EBSXB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material	Impact resistant polypropylene								
Dimensions	Unit	HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,910x792x817
Weight	Unit		kg	94	117	94	117	94	117	117
Tank	Water volume		l	294	477	294	477	294	477	477
	Maximum water temperature		°C	85						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.		dB(A)	44.7						
Sound pressure level	Nom.		dB(A)	36.8						

Outdoor Unit				ERLA	11DV3/W1	14DV3/W1	16DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460			
Weight	Unit		kg	101			
Compressor	Quantity			1			
	Type			Hermetically sealed swing inverter compressor			
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35			
	Cooling	Min.~Max.	°CDB	10 ~ 43			
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	3.80			
	Charge		TCO ₂ Eq	2.57			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)				62			
Sound pressure level (at 1 meter)	Nom.			48			
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400			
Current	Recommended fuses		A	32/16			

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W Wall mounted unit

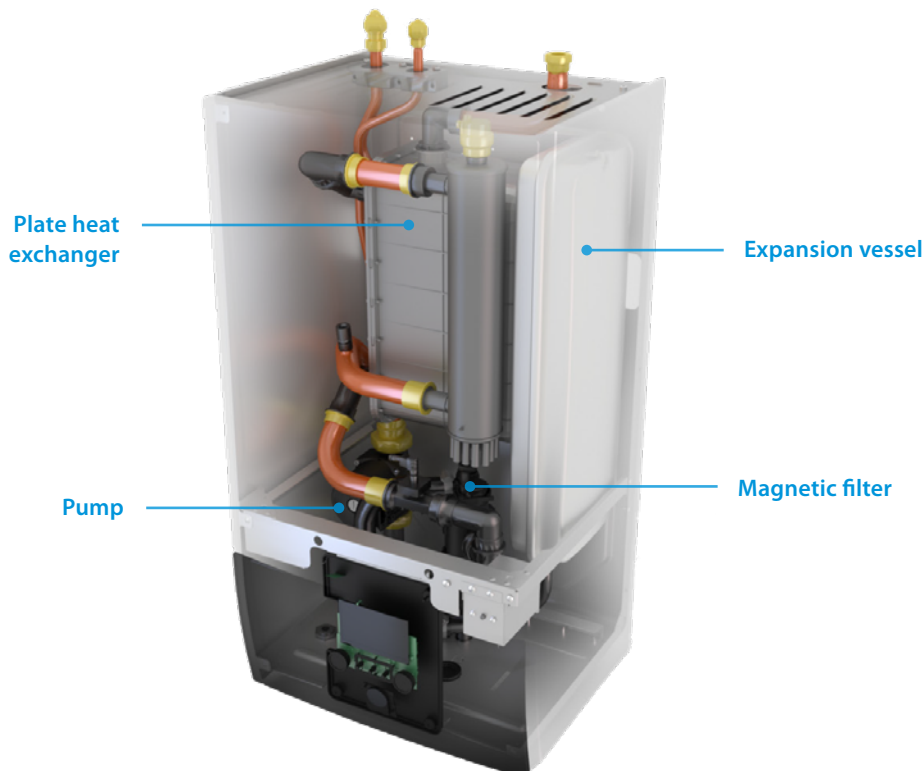


Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel or ECH₂O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

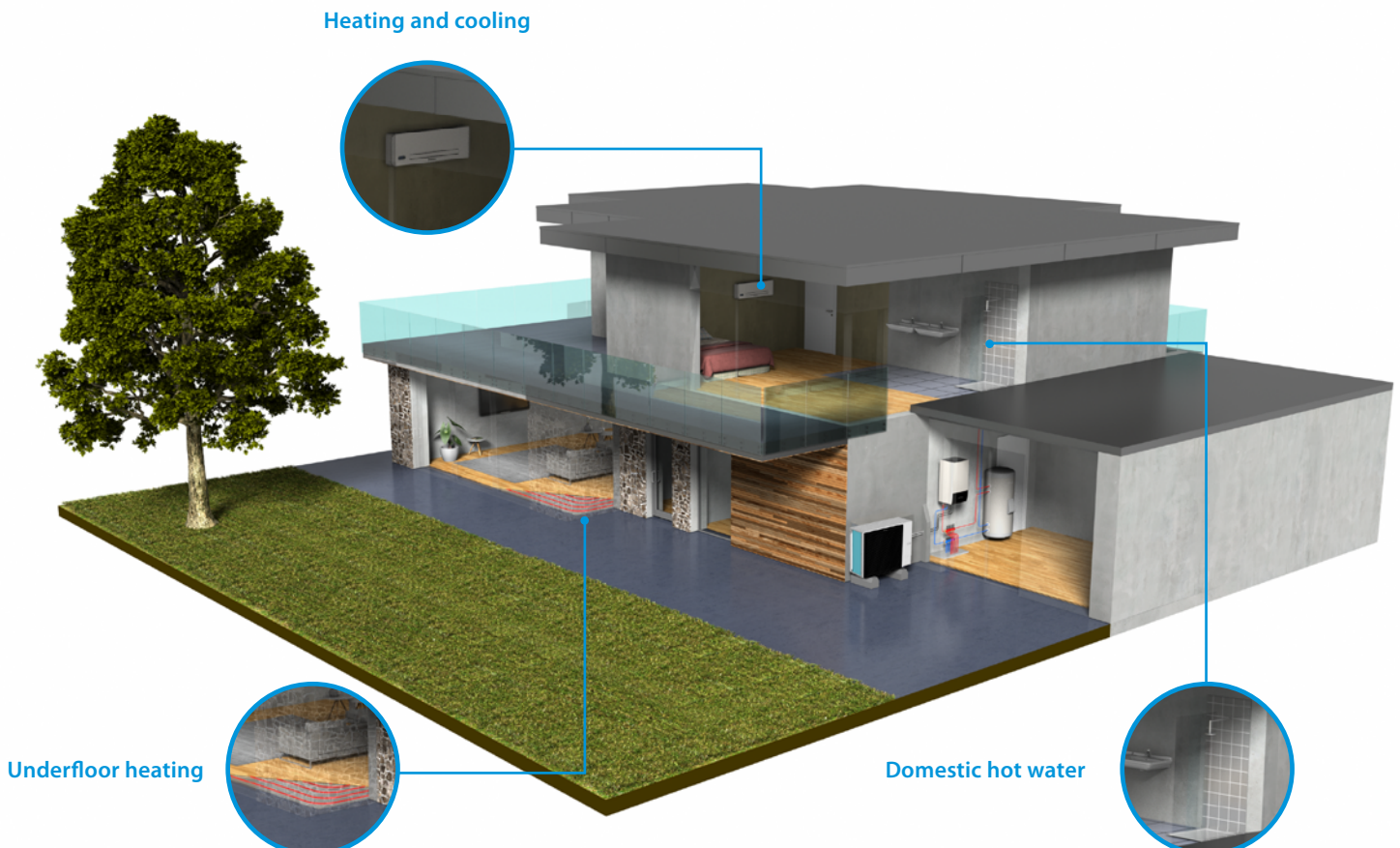
- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: with high tapping performance
- › Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



Flexibility in providing space heating

Daikin Altherma 3 RW is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

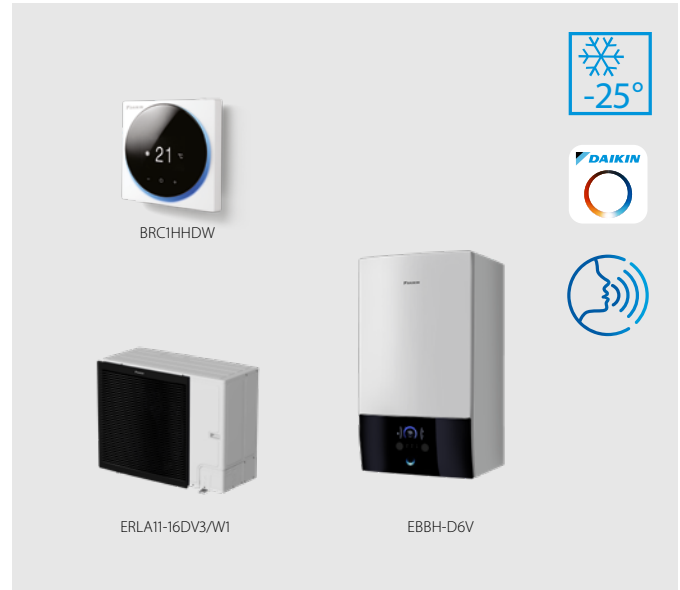
Example of installation with a stainless steel domestic hot water tank.



Daikin Altherma 3 R W

Wall mounted **heating only** air-to-water heat pump

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH₂O thermal store
- › Heat pump operation down to -25°C



up to

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data			EBBH + EPRA				11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV/W	16D9W + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP	3.23		3.22		3.32		3.32		
			ηs (Seasonal space heating efficiency) %	126		126		130		130		
		Seasonal space heating eff. class	A++									
	Average climate water outlet 35°C	General	SCOP	4.63		4.60		4.61		4.61		
		ηs (Seasonal space heating efficiency) %	182		181		181		181			
		Seasonal space heating eff. class	A+++									
Indoor Unit			EBBH	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W			
Casing	Colour	White + Black										
	Material	Resin, sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm									
			840x440x390									
Weight	Unit	kg		52.5		54.5						
Operation range	Heating	Ambient	Min.~Max.	°C		-25 ~ 35						
		Water side	Min.~Max.	°C		18 ~ 60						
	Domestic hot water	Ambient	Min.~Max.	°C		-25 ~ 35						
		Water side	Min.~Max.	°C		10 ~ 60						
Sound power level	Nom.	dBA		44								
Sound pressure level	Nom.	dBA		30								
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV3/W1						
Dimensions	Unit	HeightxWidthxDepth	mm									
			870x1,100x460									
Weight	Unit	kg		101								
Compressor	Quantity	1										
	Type	Hermetically sealed swing inverter compressor										
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 35							
	Cooling	Min.~Max.	°CDB		10 ~ 43							
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35							
Refrigerant	Type	R-32										
	GWP	675										
	Charge	kg	3.80									
	Charge	TCO ₂ /Eq	2.57									
	Control	Expansion valve										
LW(A) Sound power level (according to EN14825)			62									
Sound pressure level (at 1 meter)	Nom.	48										
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400								
Current	Recommended fuses	A		32/16								

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 R W

Wall mounted **reversible** air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH₂O thermal store
- > Heat pump operation down to -25°C



up to **A+++** **R-32**

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data		General		EBBX + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV/W	16D9W + 16DV/W
Space heating	Average climate water outlet 55°C	General	SCOP		3.27		3.26		3.35	
			ηs (Seasonal space heating efficiency) %		128		A++		131	
	Average climate water outlet 35°C	General	SCOP		4.72		4.68			
			ηs (Seasonal space heating efficiency) %		186		184		A+++	
			Seasonal space heating eff. class							

Indoor Unit		General		EBBX	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour			White + Black						
	Material			Resin, sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	840x440x390						
Weight	Unit			52.5		54.5				
Operation range	Heating	Ambient	Min.~Max.	°C		-25 ~ 35				
		Water side	Min.~Max.	°C		18 ~ 60				
	Cooling	Ambient	Min.~Max.	°C		10 ~ 43				
		Water side	Min.~Max.	°C		5 ~ 22				
	Domestic hot water	Ambient	Min.~Max.	°C		-25 ~ 35				
		Water side	Min.~Max.	°C		10 ~ 60				
Sound power level	Nom.			dBA		44				
Sound pressure level	Nom.			dBA		30				

Outdoor Unit		General		ERLA	11DV3/W1	14DV3/W1	16DV3/W1	
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460				
Weight	Unit			kg				
Compressor	Quantity			1				
	Type			Hermetically sealed swing inverter compressor				
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 35				
	Cooling	Min.~Max.	°CDB	10 ~ 43				
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35				
Refrigerant	Type			R-32				
	GWP			675				
	Charge			kg				
	Charge			TCO ₂ Eq				
	Control			Expansion valve				
LW(A) Sound power level (according to EN14825)					62			
Sound pressure level (at 1 meter)	Nom.			48				
Power supply	Name/Phase/Frequency/Voltage			Hz/V				
Current	Recommended fuses			A				
				V3/1~/50/230 / W1/3~/50/400				
				32/16				

This product contains fluorinated greenhouse gases.

Combination table and options

Combination table and options			Floor standing integrated stainless steel tank			
			H/O		Reversible	
			11 class	16 class	11 class	16 class
			EBVH11S18D6V	EBVH16S18D6V	EBVX11S18D6V	EBVX16S18D6V
			EBVH11S18D9W	EBVH16S18D9W	EBVX11S18D9W	EBVX16S18D9W
Type	Description	Material name	EBVH11S23D6V	EBVH16S23D6V	EBVX11S23D6V	EBVX16S23D6V
			EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W
Outdoor unit		ERLA11DV3/9W	●		●	
		ERLA14DV3/9W		●		●
		ERLA16DV3/9W		●		●
Controller	Madoka wired room thermostat	BRC1HHDK/S/W	●	●	●	●
	Wireless room thermostats	EKRTR	●	●	●	●
	Wired digital thermostat	EKRTWA	●	●	●	●
	WLAN module	BRP069A71	●	●	●	●
	WLAN cartridge	BRP069A78	●	●	●	●
	Wired digital thermostat	EKWCTRD1I1V3	●	●	●	●
	Wired analog thermostat	EKWCTRAN1V3	●	●	●	●
	Valve actuator	EKWCVATR1V3	●	●	●	●
	Wired underfloor heating base station	EKWUFHTA1V3	●	●	●	●
	Universal centralized controller	EKCC8-W, DCOM-LT/IO, LT/MB	●	●	●	●
Domestic hot water	Stainless steel tank	EKHWS(U)150D3V3				
		EKHWS(U)180D3V3				
		EKHWS(U)200D3V3				
		EKHWS(U)250D3V3				
		EKHWS(U)300D3V3				
	Polypropylene tank	EKHWP300B				
		EKHWP500B				
		EKHWP300PB				
		EKHWP500PB				
	Third party tank kit	EKHY3PART				
	EKHY3PART2					
Sensors	External sensor for EKRTR room thermostat	EKRTETS	● (5)	● (5)	● (5)	● (5)
	High voltage smart grid relay kit	EKRELSG	●	●	●	●
	Remote indoor temperature sensor	KRCS01-1	● (6)	● (6)	● (6)	● (6)
	Remote outdoor temperature sensor	EKRSCA1	● (6)	● (6)	● (6)	● (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	●	●	●	●
	Generic Bizone kit	EKMIKPHA	●	●	●	●
Other options	Digital I/O PCB	EKRPIHBA	● (7)	● (7)	● (7)	● (7)
	Demand PCB	EKRPIAHT	●	●	●	●
	PC USB cable	EKPCCAB4	●	●	●	●
ECH ₂ O options	Inline BUH - connection kit	EKECBUCO2AF				
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V				
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V				
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W				
	Caleffi sludge and magnetite separator SAS1	156021				
	Biv Connector Kit	EKECBIVCO2AF				
	DB connector Kit	EKECDBCO2AF				

(1) Dedicated connection kit: EKEPRHLT3HX.

(2) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.

(3) EKHY3PART can be used if you have a tank in which you can insert the thermostat.

(4) EKHY3PART2 needs to be used if you have a tank in which you can't insert a thermostat.

(5) Can only be used in combination with the wireless room thermostat EKRTR.

(6) Only one sensor can be connected: indoor or outdoor.

(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

(9) Only bivalent models.

(10) Only needed for 300 models. 500 models do not need DB connector kit to install DB solar system.



Daikin Altherma 3 H

EPGA-D 11-14-16 kW

powered by Bluevolution with R-32

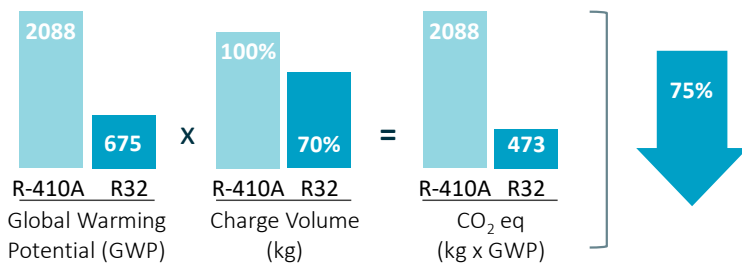
R-32, the environmentally-friendly refrigerant

Bluevolution

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Environmentally-friendly

Thanks to the combination of its lower GWP (675 vs. 2,087.5 for R-410A) and a lower refrigerant charge, R-32 is able to reduce by 75% its CO₂ equivalent which makes it better for the environment.



BLUEVOLUTION

R-32



Gas injection advantage

Higher capacity at low ambient

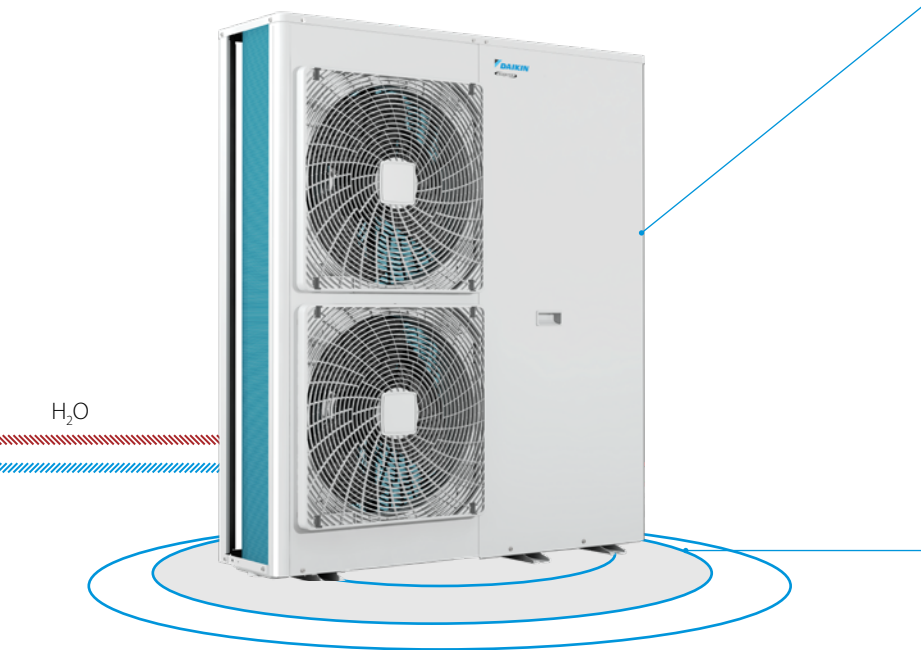
The Daikin Daikin Altherma 3 H 11-14-16 kW outdoor unit is equipped with a new gas injection scroll compressor allowing the unit to operate down to -28 °C outside temperature.

Moreover, the heating capacity at low ambient temperature (-7/35 °C) sees an improvement of 35% compared to its predecessor.

Convenient for sensitive urban areas

Low sound installer setting

In order to fulfill the requirements of the most sound sensitive urban areas, the installer can set up the unit in low sound mode that reduce the sound level by -3 dB(A).



Higher performances

Leaving water temperature

With a leaving water temperature of 60 °C at -10 °C outside, the Daikin Altherma 3 H 11-14-16 kW is perfect:

- › For new build applications using underfloor heating
- › For renovation applications using radiators

Top energy performances

Thanks to the use of R-32, the unit reaches the highest energy performances represented by the best energy labels.

Daikin Altherma 3 H 11-14-16 kW outdoor unit

The outdoor unit EPGA-D is available in size 11-14-16 kW 1 phase and is connectable to:

- › EAB(H/X)-D wall mounted indoor units
- › EAV(H/X)-D tank integrated floor standing indoor units
- › EAVZ-D tank integrated and Bi-Zone floor standing indoor units

up to





Daikin Altherma 3 H F

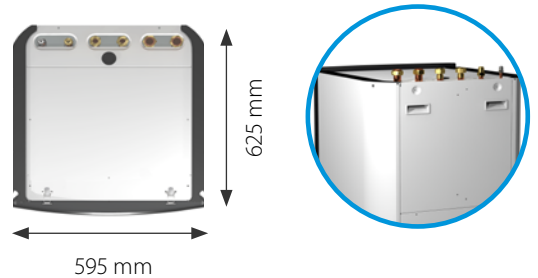
with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

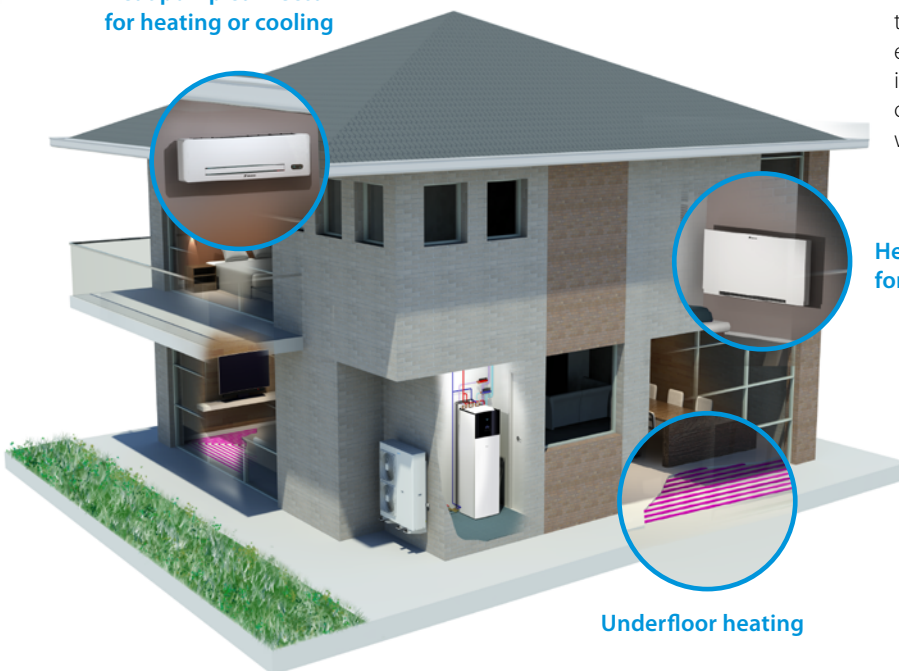
The Daikin Altherma 3 H floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

Easy to install

Small footprint & practical handles



Heat pump convector for heating or cooling



Heat pump convector for heating or cooling

Underfloor heating

Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

A complete range to answer all needs

Heating only models - EAVH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.

Reversible models - EAVX-D

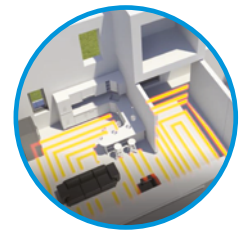
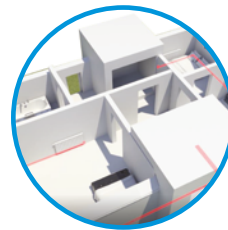
Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.



Bi-Zone models - EAVZ-D

Daikin also provides a third option to satisfy all the needs: the Daikin Altherma 3 Bi-Zone models. Bi-Zone means that the unit can manage two different water temperature zones at the same time, for instance radiators (45 °C) in the bedroom and underfloor heating (35 °C) in the living room.



Colour choice



White

Silver-grey

Capacity and sizes

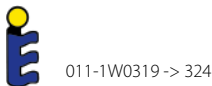


180 or 230 l
1,650 or 1,850 mm

Daikin Altherma 3 H F

Floor standing air to water heat pump for heating and hot water; ideal for low energy houses

- › Integrated stainless steel domestic hot water tank of 180 or 230 L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				EAVH + EPGA		16S18D6V(G)/D9W(G) + 11DV		16S23D6V(G)/D9W(G) + 11DV		16S18D6V(G)/D9W(G) + 14DV		16S23D6V(G)/D9W(G) + 14DV		16S18D6V(G)/D9W(G) + 16DV		16S23D6V(G)/D9W(G) + 16DV		
Heating capacity	Nom.		kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)										
Power input	Heating	Nom.	kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)										
COP				5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)										
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.34		3.41										
			ηs (Seasonal space heating efficiency)	129		130		133										
		Seasonal space heating eff. class			A++													
	Average climate water outlet 35 °C	General	SCOP	4.38		4.45		4.56										
		ηs (Seasonal space heating efficiency)	172		175		179											
		Seasonal space heating eff. class			A++		A+++											
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	L	XL	L	XL					
	Average climate	ηwh (water heating efficiency)	%	104	111	104	111	104	111	104	111							
		Water heating energy efficiency class						A										

Indoor Unit				EAVH	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)	
Casing	Colour	White + Black									
	Material	Resin / Sheet metal									
Dimensions	Unit	Height x Width x Depth	mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,850 x 595 x 625	
	Unit		kg	109	118	109	118	109	118	118	
Tank	Water volume	L		180	230	180	230	180	230	230	
	Maximum water temperature	°C		70							
	Maximum water pressure	bar		10							
	Corrosion protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C		5~30					
		Water side	Min.~Max.	°C		15~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35					
		Water side	Max.	°C		60					
Sound power level	Nom.		dB(A)	44							
Sound pressure level	Nom.		dB(A)	30							

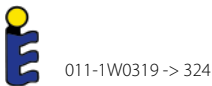
Outdoor Unit				EPGA	11DV	14DV	16DV	
Dimensions	Unit	Height x Width x Depth	mm	1,440 x 1,160 x 380				
	Unit		kg	143				
Compressor	Quantity			1				
	Type			Hermetically sealed scroll compressor				
Operation range	Cooling	Min.~Max.	°CDB	10~43				
	Domestic hot water	Min.~Max.	°CDB	-28~35				
Refrigerant	Type			R-32				
	GWP			675.0				
	Charge		kg	3.50				
	Charge		TCO:Eq	2.36				
	Control			Expansion valve				
Sound power level	Heating	Nom.	dB(A)	64				66
	Cooling	Nom.	dB(A)			68		
Sound pressure level	Heating	Nom.	dB(A)	48		49		52
	Cooling	Nom.	dB(A)			55		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230				
Current	Recommended fuses		A	32				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H F

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- › Integrated stainless steel domestic hot water tank of 180 or 230 L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



More details and final information can be found by scanning or clicking the QR codes.



EAVX-D6V



EAVX-D6VG



EAVX-D9W



EAVX-D9WG



EPGA-DV3

Efficiency data				EAVX + EPGA		16S18D6V(G)/D9W(G) + 11DV		16S23D6V(G)/D9W(G) + 11DV		16S18D6V(G)/D9W(G) + 14DV		16S23D6V(G)/D9W(G) + 14DV		16S18D6V(G)/D9W(G) + 16DV		16S23D6V(G)/D9W(G) + 16DV	
Heating capacity	Nom.			kW		11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		16.5 (1) / 15.6 (2)			
Power input	Heating	Nom.		kW		2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)		3.45 (1) / 4.21 (2)			
Cooling capacity	Nom.			kW		10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)			
Power input	Cooling	Nom.		kW		2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)			
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)		4.78 (1) / 3.71 (2)			
EER						4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)			
Space heating	Average climate water outlet 55 °C	General	SCOP			3.32		3.37		3.37		3.43		3.43			
			η _{sp} (Seasonal space heating efficiency)			130		132		132		134		134			
	Average climate water outlet 35 °C	General	SCOP			4.44		4.51		4.51		4.61		4.61			
			η _{sp} (Seasonal space heating efficiency)			175		178		178		182		182			
				Seasonal space heating eff. class		A++		A++		A++		A++		A++			
Domestic hot water heating	General	Declared load profile				L		XL		L		XL		L		XL	
	Average climate	η _{wh} (water heating efficiency)		%		104		111		104		111		104		111	
					Water heating energy efficiency class		A		A		A		A		A		

Indoor Unit				EAVX	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)	16S18D6V(G)/D9W(G)	16S23D6V(G)/D9W(G)
Casing	Colour	White + Black								
	Material	Resin / Sheet metal								
Dimensions	Unit	Height x Width x Depth	mm	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,850 x 595 x 625
Weight	Unit		kg	109	118	109	118	109	118	118
Tank	Water volume		L	180	230	180	230	180	230	230
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°CDB						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Min.~Max.	°CDB						
		Water side	Max.	°C						
Sound power level	Nom.		dBA							
Sound pressure level	Nom.		dBA							

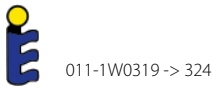
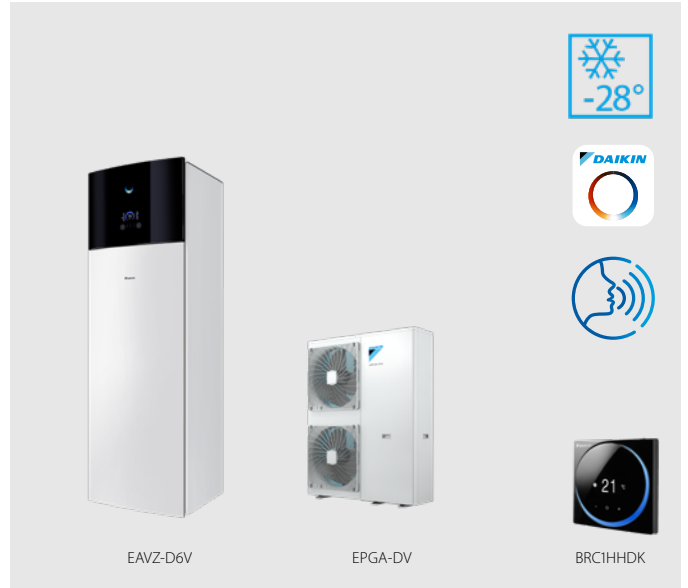
Outdoor Unit				EPGA	11DV	14DV	16DV
Dimensions	Unit	Height x Width x Depth	mm	1,440 x 1,160 x 380			
Weight	Unit		kg	143			
Compressor	Quantity			1			
	Type			Hermetically sealed scroll compressor			
Operation range	Cooling	Min.~Max.	°CDB	10~43			
	Domestic hot water	Min.~Max.	°CDB	-28~35			
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge		kg	3.50			
	Charge		TCO ₂ Eq	2.36			
	Control			Expansion valve			
Sound power level	Heating	Nom.	dBA	64		66	
	Cooling	Nom.	dBA	68		68	
Sound pressure level	Heating	Nom.	dBA	48		49	
	Cooling	Nom.	dBA	55		52	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230			
	Recommended fuses		A	32			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H F

Floor standing integrated with two different temperature zones monitoring

- › Integrated stainless steel domestic hot water tank of 180 or 230 L
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



up to **A+++** **A** **60 °C** **R-32**









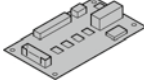
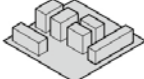



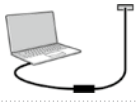
More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				EAVZ + EPGA	16S18D6V/D9W + 11DV	16S23D6V/D9W + 11DV	16S18D6V/D9W + 14DV	16S23D6V/D9W + 14DV	16S18D6V/D9W + 16DV	16S23D6V/D9W + 16DV			
Heating capacity	Nom.			kW		11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)			
Power input	Heating	Nom.			kW		2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)		
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)			
Space heating	Average climate water outlet 55 °C	General	SCOP			3.29		3.34		3.41			
				ns (Seasonal space heating efficiency)	%		129		130		133		
							A++						
	Average climate water outlet 35 °C	General	SCOP			4.38		4.45		4.56			
				ns (Seasonal space heating efficiency)	%		172		175		179		
						A++		A+++					
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	L	XL		
	Average climate	ghw (water heating efficiency)		%		104		111		104		111	
			Water heating energy efficiency class				A						
Indoor Unit				EAVZ	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W	16S18D6V/D9W	16S23D6V/D9W			
Casing	Colour			White + Black									
	Material			Resin / Sheet metal									
Dimensions	Unit	Height x Width x Depth		mm									
				1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,650 x 595 x 625	1,850 x 595 x 625	1,850 x 595 x 625			
Weight	Unit			kg									
				120	128	120	128	120	128	120	128		
Tank	Water volume			L		180		230		180		230	
	Maximum water temperature			°C				70					
	Maximum water pressure			bar				10					
	Corrosion protection							Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C				5~30					
		Water side	Min.~Max.	°C				15~60					
	Domestic hot water	Ambient	Min.~Max.	°CDB				5~35					
		Water side	Max.	°C				60					
Sound power level	Nom.			dBA				44					
Sound pressure level	Nom.			dBA				30					
Outdoor Unit				EPGA	11DV		14DV		16DV				
Dimensions	Unit	Height x Width x Depth		mm									
						1,440 x 1,160 x 380							
Weight	Unit			kg									
						143							
Compressor	Quantity			1									
	Type			Hermetically sealed scroll compressor									
Operation range	Cooling	Min.~Max.		°CDB				10~43					
	Domestic hot water	Min.~Max.		°CDB				-28~35					
Refrigerant	Type			R-32									
	GWP			675.0									
	Charge			kg									
	Charge			TCO ₂ Eq									
				2.36									
				Expansion valve									
Sound power level	Heating	Nom.			dBA		64				66		
	Cooling	Nom.			dBA				68				
Sound pressure level	Heating	Nom.			dBA		48		49		52		
	Cooling	Nom.			dBA				55				
Power supply	Name/Phase/Frequency/Voltage			Hz/V									
				V3/1N~/50/230									
Current	Recommended fuses			A									
				32									

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Options

	Type	Material name	
Controllers		Remote user interface	BRC1HHDK/S/W
		LAN Adapter + PV Solar connection	BRP069A61
		LAN only	BRP069A62
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		External sensor	EKRTETS
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Adapter		Demand PCB	EKRP1AHTA
		Digital I/O PCB	EKRP1HBAA
Installation		Bi-Zone kit (watts kit)	BZKA7V3
Sensors		Remote indoor sensor	KRCS01-1
		Remote outdoor sensor	EKRSCA-1
Others		PC USB Cable	EKPCCAB4
		Universal centralized controller	EKCC8-W
		Freeze protection valve	AFVALVE1
		Heat pump convector	FWX(V/M/T)-ATV3(*)

Daikin Altherma 3 H W

wall mounted unit



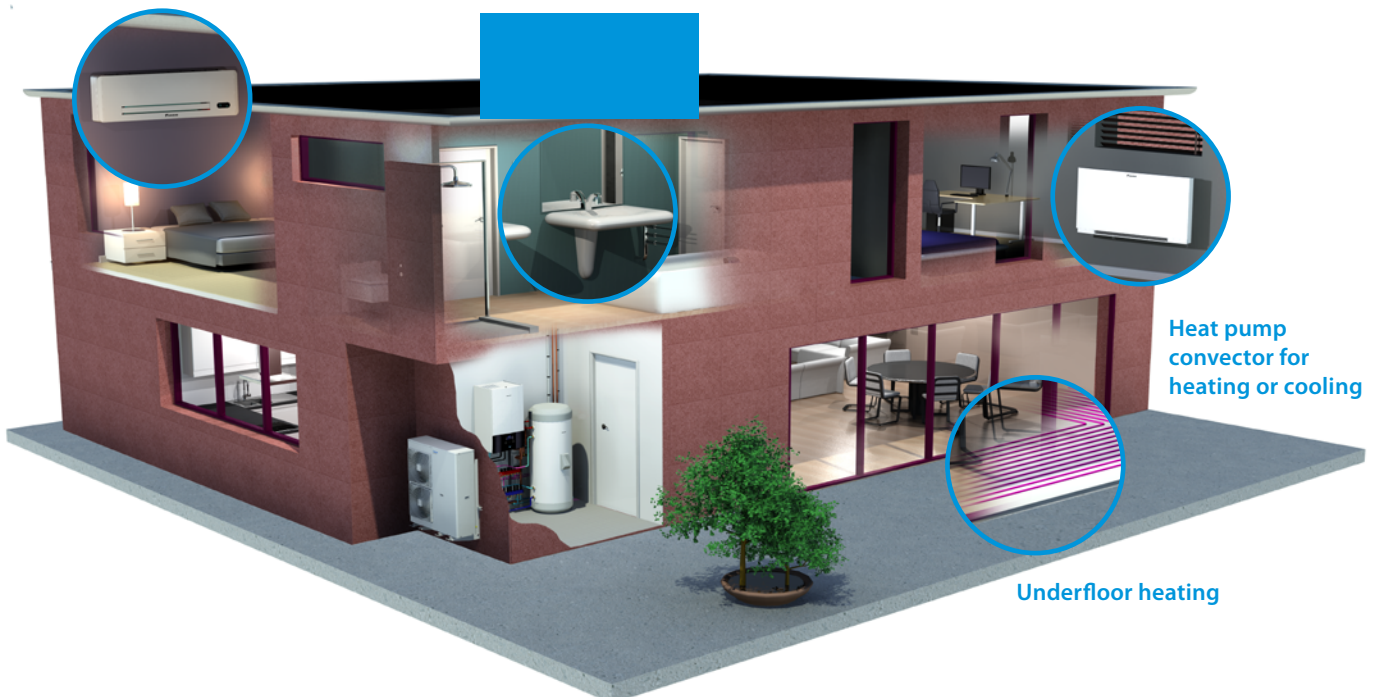
Why choose Daikin wall mounted unit?

The Daikin Altherma 3 H W split wall mounted unit offers **heating and cooling** with high flexibility for a quick and easy installation, **with an optional connection to deliver domestic hot water.**

High flexibility for installation and domestic hot water connection

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel or ECH₂O thermal store

Heat pump convector for heating or cooling



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Multiple tank solutions, infinite possibilities

ECH₂O Thermal stores (EKHWP-(P)B)

Connect your Daikin Altherma 3 wall mounted unit with a thermal store and take advantage of the energy of the sun.

Stainless steel tank (EKHWS(U)-D)

Connect your Daikin Altherma 3 wall mounted unit with a stainless steel tank to achieve efficient domestic hot water heating production.

Flexibility in providing domestic hot water

Heating only models - EABH-D

The heating only Daikin Altherma 3 models provide domestic hot water and space heating in an efficient way.



Reversible models - EABX-D

Additionally to its core function, Daikin Altherma 3 can provide cooling during hot season.

This cooling function is working via emitters such as an underfloor system or thanks to a fancoil.



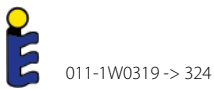
Daikin Altherma 3 H W

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



up to **A+++** **60 °C** **R-32**



More details and final information can be found by scanning or clicking the QR codes.



EABH-D6V



EABH-D9W



EPGA-DV3

Efficiency data		EABH + EPGA		16D6V/D9W + 11DV		16D6V/D9W + 14DV		16D6V/D9W + 16DV				
Heating capacity	Nom.			kW		11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		
Power input	Heating	Nom.			kW		2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
COP							5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.29		3.34		3.41				
			ηs (Seasonal space heating efficiency)	129		130		133				
		Seasonal space heating eff. class			A++							
	Average climate water outlet 35 °C	General	SCOP	4.38		4.45		4.56				
		ηs (Seasonal space heating efficiency)	172		175		179					
		Seasonal space heating eff. class	A++				A+++					
Indoor Unit		EABH		16D6V		16D9W		16D6V		16D9W		
Casing	Colour							White + Black				
	Material							Resin, sheet metal				
Dimensions	Unit	Height x Width x Depth		mm				840 x 440 x 390				
Weight	Unit			kg				38				
Operation range	Heating	Water side	Min.~Max.	°C				15~60				
	Domestic hot water	Water side	Min.~Max.	°C				25~75				
Sound power level	Nom.			dBA				44				
Sound pressure level	Nom.			dBA				30				
Outdoor Unit		EPGA		11DV		14DV		16DV				
Dimensions	Unit	Height x Width x Depth		mm				1,440 x 1,160 x 380				
Weight	Unit			kg				143				
Compressor	Quantity							1				
	Type							Hermetically sealed scroll compressor				
Operation range	Cooling	Min.~Max.		°CDB				10~43				
	Domestic hot water	Min.~Max.		°CDB				-28~35				
Refrigerant	Type							R-32				
	GWP							675.0				
	Charge			kg				3.50				
	Charge			TCO ₂ Eq				2.36				
	Control							Expansion valve				
Sound power level	Heating	Nom.			dBA		64		66			
	Cooling	Nom.			dBA				68			
Sound pressure level	Heating	Nom.			dBA		48		49			
	Cooling	Nom.			dBA				55			
Power supply	Name/Phase/Frequency/Voltage		Hz/V						V3/1N~/50/230			
Current	Recommended fuses		A						32			

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H W

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- › Combine with a stainless steel tank or ECH₂O thermal store to provide domestic hot water
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › Integrated back-up heater choice of 6 or 9 kW
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C



up to

011-1W0319 -> 324

More details and final information can be found by scanning or clicking the QR codes.











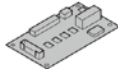





Efficiency data		EABX + EPGA		16D6V/D9W + 11DV		16D6V/D9W + 14DV		16D6V/D9W + 16DV		
Heating capacity	Nom.	kW		11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)		
Power input	Heating	Nom.	kW		2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
Cooling capacity	Nom.	kW		10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)		
Power input	Cooling	Nom.	kW		2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
COP				5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)		
EER				4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.32		3.37		3.43		
			ηs (Seasonal space heating efficiency) %	130		132		134		
		Seasonal space heating eff. class			A++					
	Average climate water outlet 35 °C	General	SCOP	4.44		4.51		4.61		
		ηs (Seasonal space heating efficiency) %	175		178		182			
		Seasonal space heating eff. class	A++				A+++			

Indoor Unit		EABX		16D6V	16D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour			White + Black					
	Material			Resin, sheet metal					
Dimensions	Unit	Height x Width x Depth		mm					
Weight	Unit			kg					
Operation range	Heating	Water side	Min.~Max.	°C		15~60			
	Domestic hot water	Water side	Min.~Max.	°C		25~75			
Sound power level	Nom.			dBA					
Sound pressure level	Nom.			dBA					

Outdoor Unit		EPGA		11DV	14DV	16DV
Dimensions	Unit	Height x Width x Depth		mm		
Weight	Unit			kg		
Compressor	Quantity			1		
	Type			Hermetically sealed scroll compressor		
Operation range	Cooling	Min.~Max.		°CDB		
	Domestic hot water	Min.~Max.		°CDB		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge			kg		
	Charge			TCO ₂ Eq		
	Control			Expansion valve		
Sound power level	Heating	Nom.			dBA	
	Cooling	Nom.			dBA	
Sound pressure level	Heating	Nom.	48		dBA	
	Cooling	Nom.			dBA	
Power supply	Name/Phase/Frequency/Voltage			Hz/V		
Current	Recommended fuses			A		

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Options

	Type	Material name
Controllers		Remote user interface BRC1HHDK/S/W
		LAN Adapter + PV Solar connection BRP069A61
		LAN only BRP069A62
		Room thermostat (wired) EKRTWA
		Room thermostat (wireless) EKTR1
		External sensor EKRTETS
		DCOM gateway DCOM-LT/IO
		DCOM gateway DCOM-LT/MB
Adapter		Demand PCB EKRP1AHTA
		Digital I/O PCB EKRP1HBAA
Installation		Bi-Zone kit (watts kit) BZKA7V3
		Third party tank kit for tank with sensor pocket EKHY3PART
		Third party tank kit for tank with built-in thermostat EKHY3PART2
Sensors		Remote indoor sensor KRCS01-1
		Remote outdoor sensor EKRSCA-1
Others		PC USB Cable EKPCCAB4
		Universal centralized controller EKCC8-W
		Freeze protection valve AFVALVE1
		Heat pump convector FWX(V/M/T)-ATV3
		Connection kit with storage tank EKHWP* EKBH3SD



Daikin Altherma 3 M

The power pact

The Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant.

Compact improved design

A redesigned casing

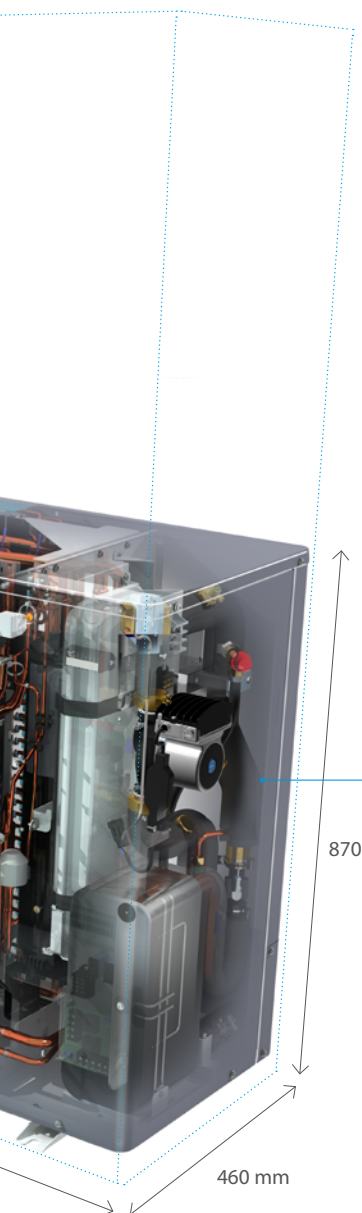
The black front grill made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

A single fan for high capacity units

The single fan is slightly larger, replacing the usual double fan for high capacity units. The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.



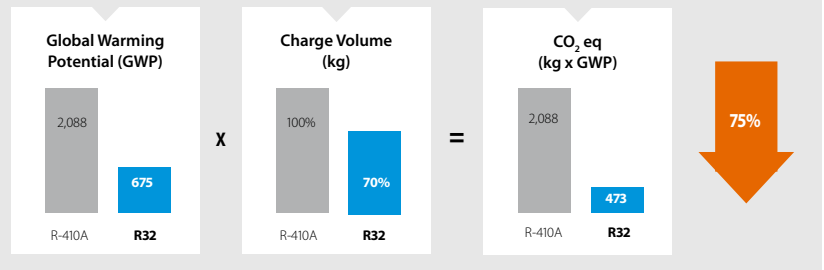


R-32 monobloc

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO₂ emission targets.

Reduced environmental impact: CO₂eq > 75% reduction

- > GWP: R410A: 2,088 > R32: 675
- > 30% less refrigerant charge needed



R-32 BLUEEVOLUTION

A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!



Fully connected

The Daikin Altherma 3 M also finds its power in Daikin Altherma total solution, including controls, heat collectors and heat emitters.



Onecta App, with voice control

- › Control the heating system from home or remote via smartphone
- › Control the heating system with the voice
- › Include integrations with Google Assistant and Amazon Alexa
- › Featuring other functions: scheduling and holiday mode, control multiple units and boosting mode, monitoring energy consumption...



Cloud ready with WLAN option



Madoka, user-friendly wired room thermostat

- › Sleek and elegant design
- › Intuitive touch-button control
- › Three colours to match any interior (white, black and silver-grey)
- › Compact, measures only 85 x 85 mm



Heating and cooling emitters

As a mid-temperature heat pump, the Daikin Altherma 3 M fits perfectly with any type of emitters such as fan coils, underfloor heating or heat pumps convectors.



NEW

Man-machine interface

Inspired from the design awarded Daikin Altherma third generation interface of indoor units, this new controller gathers all benefits:



✓ The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the system. Blue is perfect! Should the eye turn red, an error has occurred.

✓ Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

✓ Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

✓ Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

✓ WLAN cartridge connection

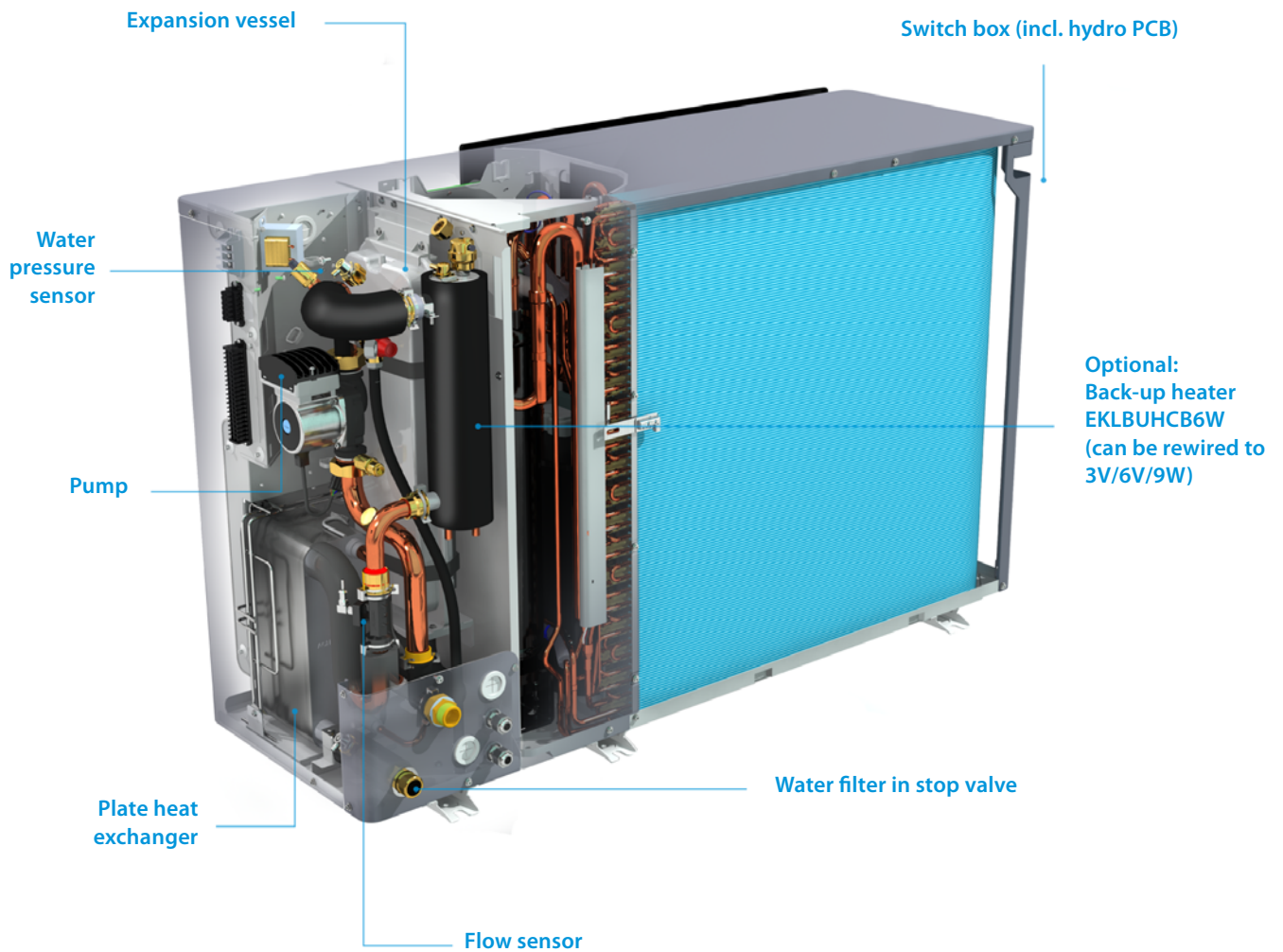
✓ Discreet thanks to small dimensions H x W x D 136 x 160 x 37 mm

Domestic hot water production

The Daikin Altherma 3 M monobloc combines with stainless steel tanks (EKHWS-D) and thermal stores and panels (EKHWP) to provide efficient domestic hot water.

Straight forward installation & maintenance

The Daikin Altherma 3 M also gets its power from inside by including all hydraulic components into one single unit.



Comfort and premium performance

The Daikin Altherma 3 M shows improved performances as well as a wide product range.

Extended product range

- › Heating only models (EDLA*)
- › Reversible models providing cooling (EBLA*)
- › One-phase models (EB/DLA-DV*)
- › Three-phase models (EB/DLA-DW*)
- › Back-up heater models (EB/DLA-D3V/D3W)
- › Back-up heater less models (EB/DLA-D/DW)
- › All available in 9, 11, 14 and 16 kW

Improved performances

- › Up to **A+++**
- › Operation down to -25°C outside temperature
- › Guaranteed heating capacities down to -20°C
- › Delivers LWT 60°C at -7°C
- › Suitable for renovations, replacement, and large new buildings

Flexibility in domestic hot water production

- › Combination with stainless steel domestic hot water tank (EKHWS(U)-D)
- › Combination with ECH2O thermal store to provide domestic hot water with support from the sun

Perfect match with any heat emitters

- › Combination with underfloor heating applications
- › Combination with heat pump convectors Daikin Altherma HPC



Daikin Altherma 3 M

Heating only air to water monobloc system, ideal when indoor space is limited

- › W-LAN cartridge connection (optional)
- › Possible to combine with domestic hot water tanks
- › Heating only air-to-water heat pump
- › Monobloc all-in-one concept including all hydraulic parts
- › Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- › Available in one phase and three phase



011-1W0423 → 426

More details and final information can be found by scanning or clicking the QR codes.



EDLA09-16DV3



EDLA09-16D3V3



EDLA09-16DW1



EDLA09-16D3W1



Single Unit		EDLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3/D(3)W1
Heating capacity	Nom.	kW		9.37 (1) / 9.00 (2)	10.6 (1) / 9.82 (2)	12.0 (1) / 12.5 (2)
Power input	Heating	Nom.	kW		1.91 (1) / 2.43 (2)	2.18 (1) / 2.68 (2)
			4.91 (1) / 3.71 (2)		4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)
COP			4.91 (1) / 3.71 (2)		4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)	133	130	132
			SCOP	3.39	3.32	3.37
	Seasonal space heating eff. class			A++		
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)	186	182	
SCOP			4.72	4.64	4.62	
Seasonal space heating eff. class			A+++			
Casing	Colour	Silver				
	Material	Polyester painted galvanised steel plate				
Dimensions	Unit	HeightxWidthxDepth	mm			
			870 x 1,380 x 460			
Weight	Unit	kg				
Compressor	Quantity	1				
	Type	Hermetically sealed swing compressor				
Operation range	Heating	Ambient	Min.~Max.	°CWB		
		Water side	Min.~Max.	°C		
	Domestic hot water	Ambient	Min.~Max.	°CDB		
		Water side	Min.~Max.	°C		
Refrigerant	Type	R-32				
	GWP	675.0				
	Charge	kg				
	Charge	TCO ₂ Eq				
	Control	Expansion valve				
Sound power level (3)	Heating	Nom.	dBA			
			62			
Power supply	Name/Phase/Frequency/Voltage		Hz/V			
			V3/1~/50/230 - W1/3~/50/400			
Current	Recommended fuses		A			
			32/16			

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) According to EN14825 This product contains fluorinated greenhouse gases.

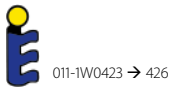
Daikin Altherma 3 M

Reversible air to water monobloc system, ideal when indoor space is limited

- › W-LAN cartridge connection (optional)
- › Possible to combine with domestic hot water tanks
- › Heating and cooling air-to-water heat pump
- › Monobloc all-in-one concept including all hydraulic parts
- › Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- › Available in one phase and three phase



Up to **A+++** **55 °C** **R-32**



More details and final information can be found by scanning or clicking the QR codes.



EBLA09-16DV3



EBLA09-16D3V3



EBLA09-16DW1








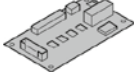
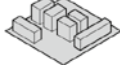




EBLA09-16D3W1

Single Unit				EBLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3/D(3)W1
Heating capacity	Nom.			kW	9.37 (1) / 9.00 (2)	10.6 (1) / 9.82 (2)	12.0 (1) / 12.5 (2)	16.0 (1) / 16.0 (2)
Power input	Heating	Nom.		kW	1.91 (1) / 2.43 (2)	2.18 (1) / 2.68 (2)	2.46 (1) / 3.42 (2)	3.53 (1) / 4.56 (2)
COP					4.91 (1) / 3.71 (2)	4.83 (1) / 3.66 (2)	4.87 (1) / 3.64 (2)	4.53 (1) / 3.51 (2)
Cooling capacity	Nom.			kW	9.35 (3) / 9.10 (4)	11.6 (3) / 11.5 (4)	12.8 (3) / 12.7 (4)	14.0 (3) / 15.3 (4)
Power input	Cooling	Nom.		kW	2.79 (3) / 1.71 (4)	3.56 (3) / 2.17 (4)	4.06 (3) / 2.51 (4)	4.58 (3) / 3.24 (4)
EER					3.35 (3) / 5.34 (4)	3.26 (3) / 5.31 (4)	3.16 (3) / 5.04 (4)	3.06 (3) / 4.74 (4)
SEER					5.62 (5)	5.79 (5)	5.71 (5)	5.59 (5)
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)		135	132	134	132
			SCOP		3.44	3.37	3.42	3.37
	Seasonal space heating eff. class				A++			
	Average climate water outlet 35 °C	General	ηs (Seasonal space heating efficiency)		190	186	185	
SCOP				4.82	4.73	4.70	4.69	
Seasonal space heating eff. class				A+++				
Casing	Colour	Silver						
	Material	Polyester painted galvanised steel plate						
Dimensions	Unit	HeightxWidthxDepth		mm	870 x 1,380 x 460			
Weight	Unit	kg						
Compressor	Quantity	1						
	Type	Hermetically sealed swing compressor						
Operation range	Heating	Ambient	Min.~Max.	°CWB	DV3/DW1: -25 ~ 25, D3V3/D3W1: -25 ~ 35			
		Water side	Min.~Max.	°C	DV3/DW1: 9 ~ 60, D3V3/D3W1: 15 ~ 60			
	Cooling	Ambient	Min.~Max.	°CDB	10 ~ 43			
		Water side	Min.~Max.	°C	5 ~ 22			
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25 ~ 35			
		Water side	Min.~Max.	°C	25 ~ 55			
Refrigerant	Type	R-32						
	GWP	675.0						
	Charge	kg						
	Charge	TCO ₂ Eq						
	Control	Expansion valve						
Sound power level (5)	Heating	Nom.		dB(A)	62			
Power supply	Name/Phase/Frequency/Voltage				V3/1~/50/230 - W1/3~/50/400			
Current	Recommended fuses				A			

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (4) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (5) According to EN14825

This product contains fluorinated greenhouse gases.

Options

				NO BUH		BUH	
				H/O	REV	H/O	REV
				EDLA-DV3/W1	EBLA-DV3/W1	EBLA-D3V3/3W1	EBLA-D3V3/3W1
		Type	Material name				
Controllers		Madoka, remote user interface	BRC1HHDW/S/K	●	●	●	●
		WLAN cartridge	BRP069A78	●	●	●	●
		Room thermostat (wired)	EKRTWA	●	●	●	●
		Room thermostat (wireless)	EKRTR1	●	●	●	●
		External sensor	EKRTETS	●	●	●	●
Adapters		Demand PCB	EKRPIAHTA	●	●	●	●
		Digital I/O PCB	EKRPIHBAA	●	●	●	●
Installation		Bi-Zone kit (watts kit)	BZKA7V3	●	●	●	●
		Anti-freeze valve	AFVALVE1	●	●	●	●
		Flow switch	EKFLSW1	● ⁽¹⁾	● ⁽¹⁾	● ⁽¹⁾	● ⁽¹⁾
		BY-pass kit	EKMBHBP1		●		
		BUH-kit	EKLBUHC6W	●	●		
		Third party tank kit	EKH3PART	● ⁽²⁾	● ⁽²⁾	● ⁽²⁾	● ⁽²⁾
		Third party tank kit	EKH3PART2	● ⁽³⁾	● ⁽³⁾	● ⁽³⁾	● ⁽³⁾
Sensors		Remote indoor sensor	KRCS01-1	●	●	●	●
		Remote outdoor sensor	EKRSCA-1	●	●	●	●
Others		PC USB cable	EKPCAB4	●	●	●	●

(1) Mandatory when glycol is used.

(2) To use when thermistor can be inserted in the tank.

(3) To use when thermistor cannot be inserted in the tank.





Daikin Altherma M

The space-saving solution

The reversible air-to-water heat pump monobloc system is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water.

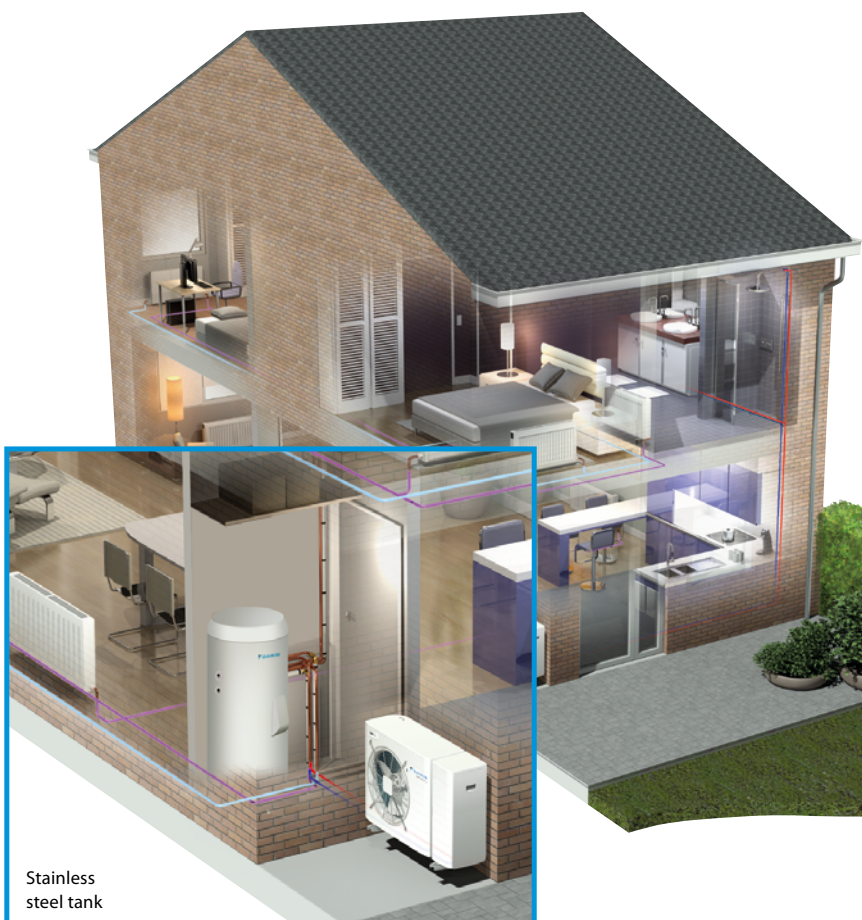
A simple solution

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit.

- › Quiet and space-saving design that's easy to commission and install
- › All hydraulic components are combined into one outdoor unit
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25 °C
- › Combine with an **ECH₂O** thermal store to provide thermal support
- › Combine with a stainless steel tank for domestic hot water

High performance

- › Improved seasonal efficiency ErP label up to A++
- › High capacity at low ambient temperatures
- › Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B





Daikin Altherma M, 5-7 kW



Easy installation

- › Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
- › Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
- › Fewer components lower the installation time and help maximise profits on the job

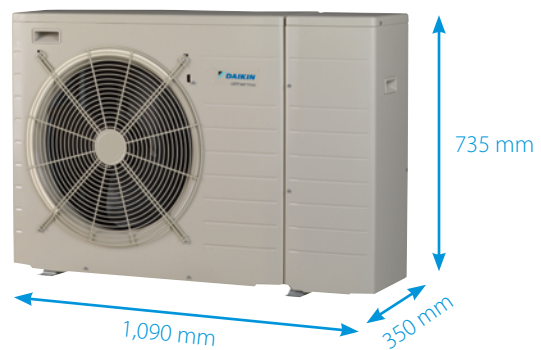
Year-round reliability

- › Delivers higher heating capacity at low ambient temperatures
- › Flow temperatures up to 55 °C, perfect for new build applications using UFH
- › Reliable operation is guaranteed, even with outdoor temperatures as low as -25 °C
- › Equipped with optional backup heater

Easy connection

- › The LAN adapter allows to control the unit via the heating app

- › Back-up heater less models
- › Separate indoor wiring centre (control box)
- › Separate back-up heater kit



Daikin Altherma M

Reversible air to water monobloc system, ideal when indoor space is limited

- › Compact reversible monobloc for space heating & cooling with optional domestic hot water
- › Compact heating only monobloc for space heating with optional domestic hot water
- › Fuss-free installation: only water connections required
- › Reliable operation even when -25 °C outside thanks to frost protection features such as free hanging coil
- › COP up to 5



E(D/B)LQ-CV3



More details and final information can be found by scanning or clicking the QR codes.










Single Unit				EBLQ/EDLQ	05CV3	07CV3	05CV3	07CV3
Space heating	Average climate water outlet 55 °C	General	ηs (Seasonal space heating efficiency)	125				
			SCOP	3.20	3.22	3.20	3.22	
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++				
			ηs (Seasonal space heating efficiency)	172	163	172	163	
			SCOP	4.39	4.14	4.39	4.14	
			Seasonal space heating eff. class	A++				
Heating capacity	Nom.		kW	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)	
Cooling capacity	Nom.		kW	3.88(1) / 3.99(2)	5.20(1) / 5.15(2)	-	-	
Power input	Cooling	Nom.	kW	0.950(1) / 1.93(2)	1.37(1) / 2.69(2)	-	-	
	Heating	Nom.	kW	0.880(1) / 1.13(2)	1.55(1) / 2.45(2)	0.880(1) / 1.13(2)	1.55(1) / 2.02(2)	
COP				5.00(1) / 3.58(2)	4.52(1) / 3.42(2)	5.00(1) / 3.58(2)	4.52(1) / 3.42(2)	
EER				4.07(1) / 2.07(2)	3.80(1) / 2.10(2)	-	-	
Dimensions	Unit	Height x Width x Depth	mm	735 x 1,090 x 350				
Weight	Unit		kg	76.0	80.0	76.0	80.0	
Operation range	Heating	Water side	Min.~Max. °C	15 ~55.0				
	Cooling	Ambient	Min.~Max. °CDB	10.0~43.0		---		
		Water side	Min.~Max. °CDB	5.00 ~22.0		---		
	Domestic hot water	Ambient	Min.~Max. °CDB	-		-25.0 ~35.0		
Water side		Min.~Max. °C	25~80		25~80			
Refrigerant	Type			R-410A				
	GWP			2,088				
	Charge		kg	1.30	1.45	1.30	1.45	
	Charge		TCO ₂ Eq	2.714	3.027	2.714	3.027	
			Control	Expansion valve (electronic type)				
Sound power level	Heating	Nom.	dBA	61	62	61	62	
	Cooling	Nom.	dBA	63.0		-	-	
Sound pressure level	Heating	Nom.	dBA	48	49	48	49	
	Cooling	Nom.	dBA	48	50	-	-	

Wiring centre				EKCB07CV3	EK2CB07CV3
Casing	Colour	White			
	Material	Precoated sheet metal			
Dimensions	Unit	Height x Width x Depth	mm	360 x 340 x 97.0	
Weight	Unit		kg	4.00	

Back-up heater kit				EKMBUHC3V3	EKMBUHC9W1
Casing	Colour	White			
	Material	Precoated sheet metal			
Dimensions	Unit	Height x Width x Depth	mm	560 x 250 x 210	
Weight	Unit		kg	11.0	13.0

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C).
 (3) Contains fluorinated greenhouse gases.

Options

	Illustration	Type	Material name	Daikin Altherma M
				5-7 kW
Controllers		LAN adapter	BRP069A62	•
		LAN adapter + PV solar connection	BRP069A61	•
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1	•
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3	•
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2	•
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4	•
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5	•
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6	•
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7	•
	Simplified user interface	EKRUCBSB	•	
	Room thermostat (wired)	EKRTWA	•	
	Room thermostat (wireless)	EKRTR1	•	
	DCOM gateway	DCOM-LT/IO		
	DCOM gateway	DCOM-LT/MB		
Adapter		Digital I/O PCB	EKR1PHBAA	
Back-up heater		Back-up heater monobloc	EKMBUHC3V3/C9W1	•
		Bottom plate heater	EKBPHTH16A	
Sensor		Remote sensor for OU	EKRSCA1	•
		External sensor	EKRTETS	•
		Remote sensor for IU	KRCS01-1	•
Wiring centre		Control box	EKCB07CAV3	•
		Option box	EK2CB07CAV3	•
By pass		Valve kit	EKMBHBP1	•
Bi-Zone		Bi-Zone kit	BZKA7V3	•
Others		Cable	EKPCAB4	•
		Connection kit with controlbox EK(2)CB07CAV3 and storage tank EKHWP*	EKBH3SD	•

The ideal boiler replacement

Gets extended

Ideal to replace gas boilers

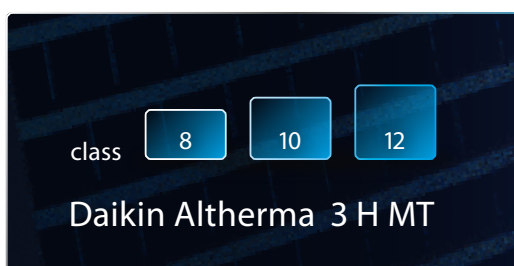
Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 H MT comes as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 H MT also fits in medium sized new buildings.





Ideal to replace oil boilers

Daikin Altherma 3 H HT is a high temperature heat pump, able to deliver a leaving water temperature of 70 °C. Thanks to this operation range, the unit can replace oil boilers in older houses.

Traditional radiators can also stay in place, but more recent radiators could be a good option in order to make further energy savings.

Suitable for large new buildings

With a capacity range going from 14 to 18 class, Daikin Altherma 3 H HT can answer the needs of large new buildings.



The Quintessence of heat pump

meeting modern society's expectations



Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H MT & HT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products. The Daikin Altherma 3 H HT was the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the quintessence of heat pump unique.

Superior performance, renewable energy use, design and acoustic comfort. This is what the Quintessence of heat pump is all about.

BLUEvolution

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO₂ emissions.

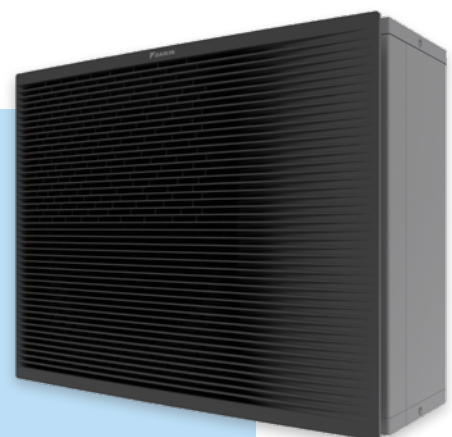
Easy to recover and re-use, R-32 is the perfect solution to attain the new European CO₂ emission targets.

R-32

Timeless design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.



Witness a timeless design



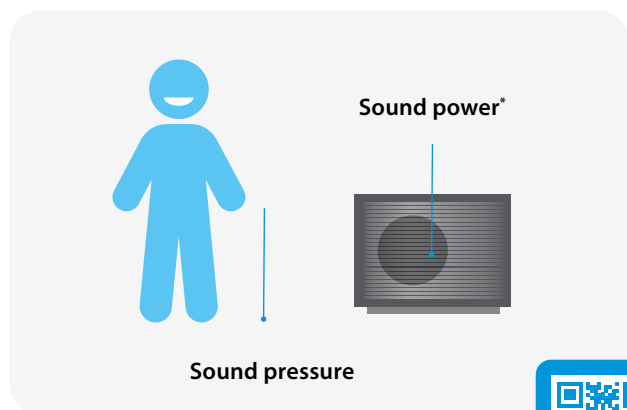
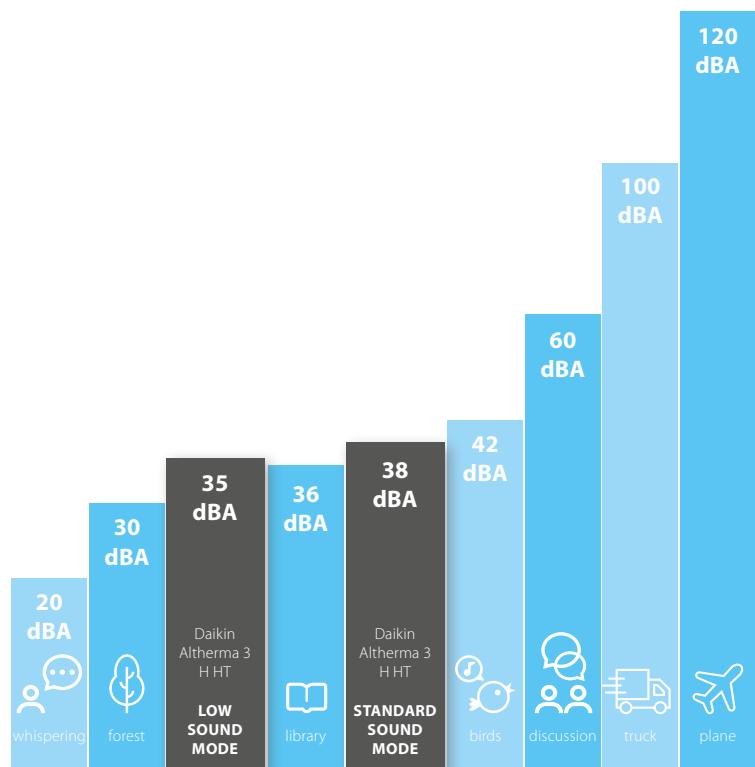


Silence rhymes with comfort

The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library.

The unit also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!



The acoustic level can be evaluated in two ways

- › The **sound power** is generated by the unit itself, independently of distance and environment
- › The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.

* Erp sound power:
 Daikin Altherma 3 H MT = 53 dBA
 Daikin Altherma 3 H HT = 54 dBA

Innovation At the heart of our concerns

The Daikin Altherma 3 H MT & HT are at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

A redesigned casing

The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.

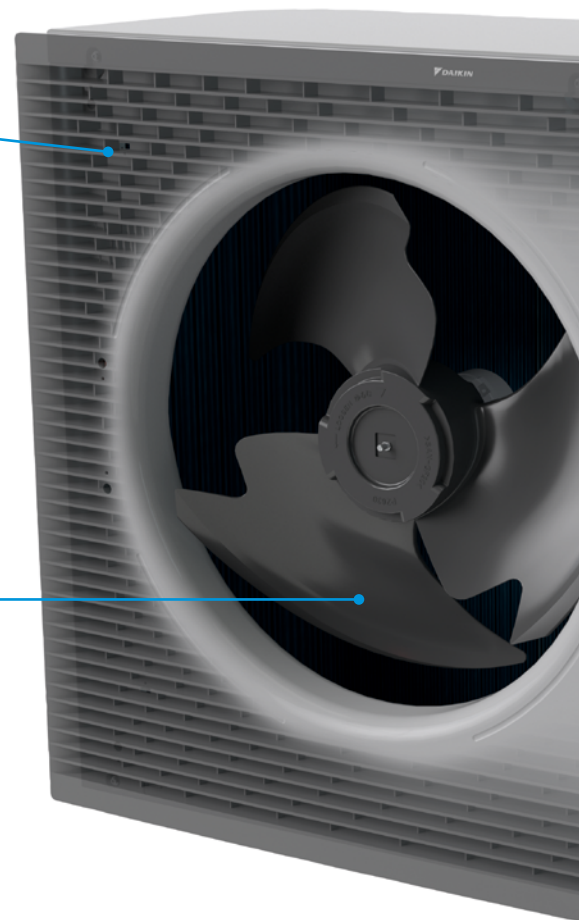


reddot design award
winner 2019

A single fan for all capacities

The single fan is slightly larger, replacing the usual double fan for high capacity units (classes 8-10-12-14-16-18).

The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

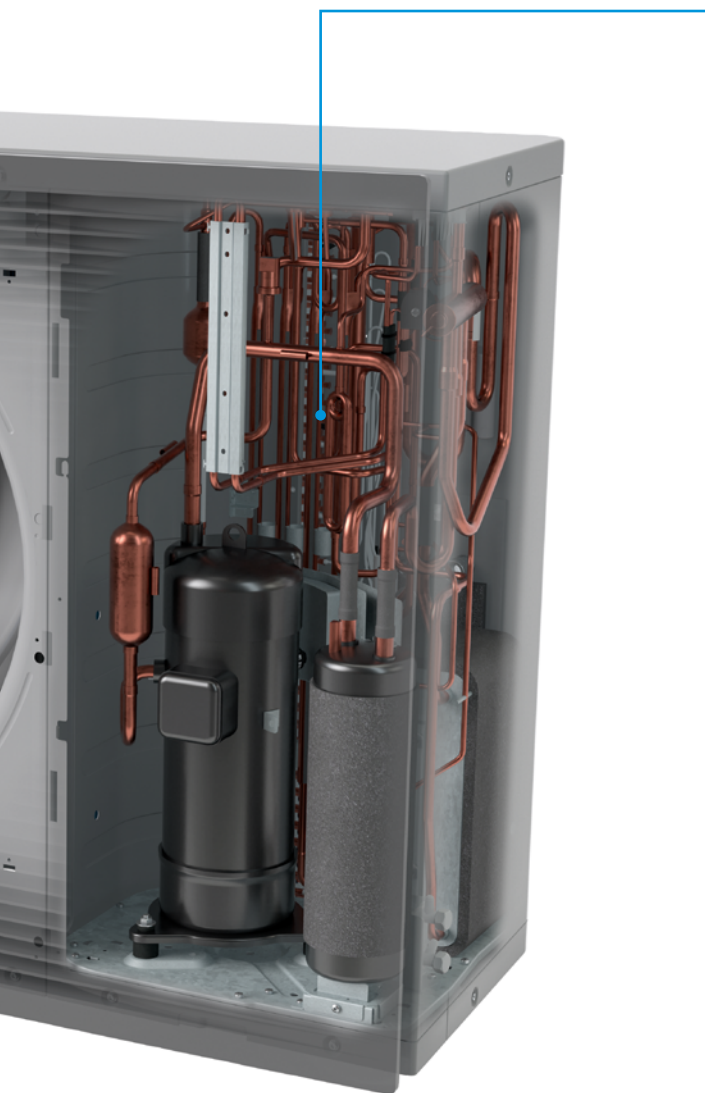
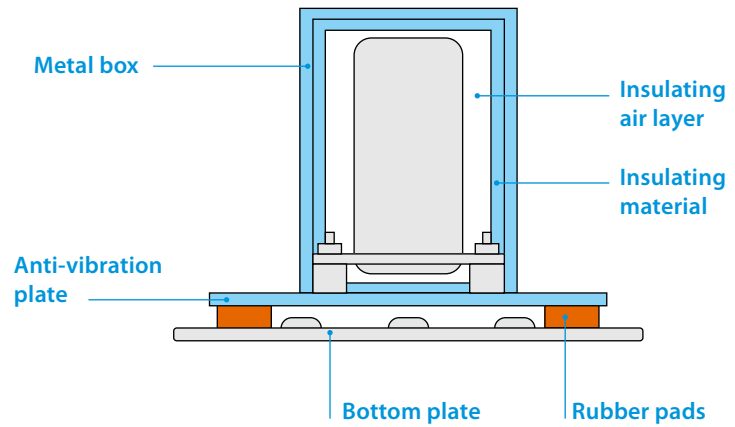


Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.



New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. The Daikin Altherma 3 H HT compressor is able to deliver a high leaving water temperature of 70 °C on its own, while the Daikin Altherma 3 H MT available in classes 8-10-12 delivers up to 65 °C leaving water temperature.

Impressive performance

With these new developments, the Daikin Altherma 3 H MT & HT reach the best performances illustrated in the energy labels:



Feel a true performance

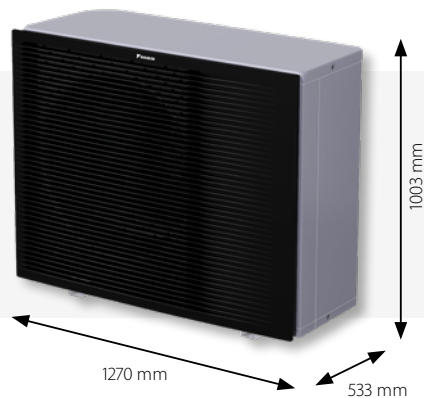


One solution, multiple combinations

The Quintessence range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

Outdoor unit

The outdoor unit is available in 6 classes 8-10-12-14-16-18 kW.



Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595x625mm. The unit is equipped with a tank of 180 or 230L to answer your domestic hot water demand.



Integrated ECH₂O DHW tank model

The ECH₂O unit is equipped with a thermal DHW tank of 300 or 500L that can be connected to thermal solar panels.



Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water.



See exact dimensions per model in the specification tables (p22-29).

Get the best comfort

with the best functionalities

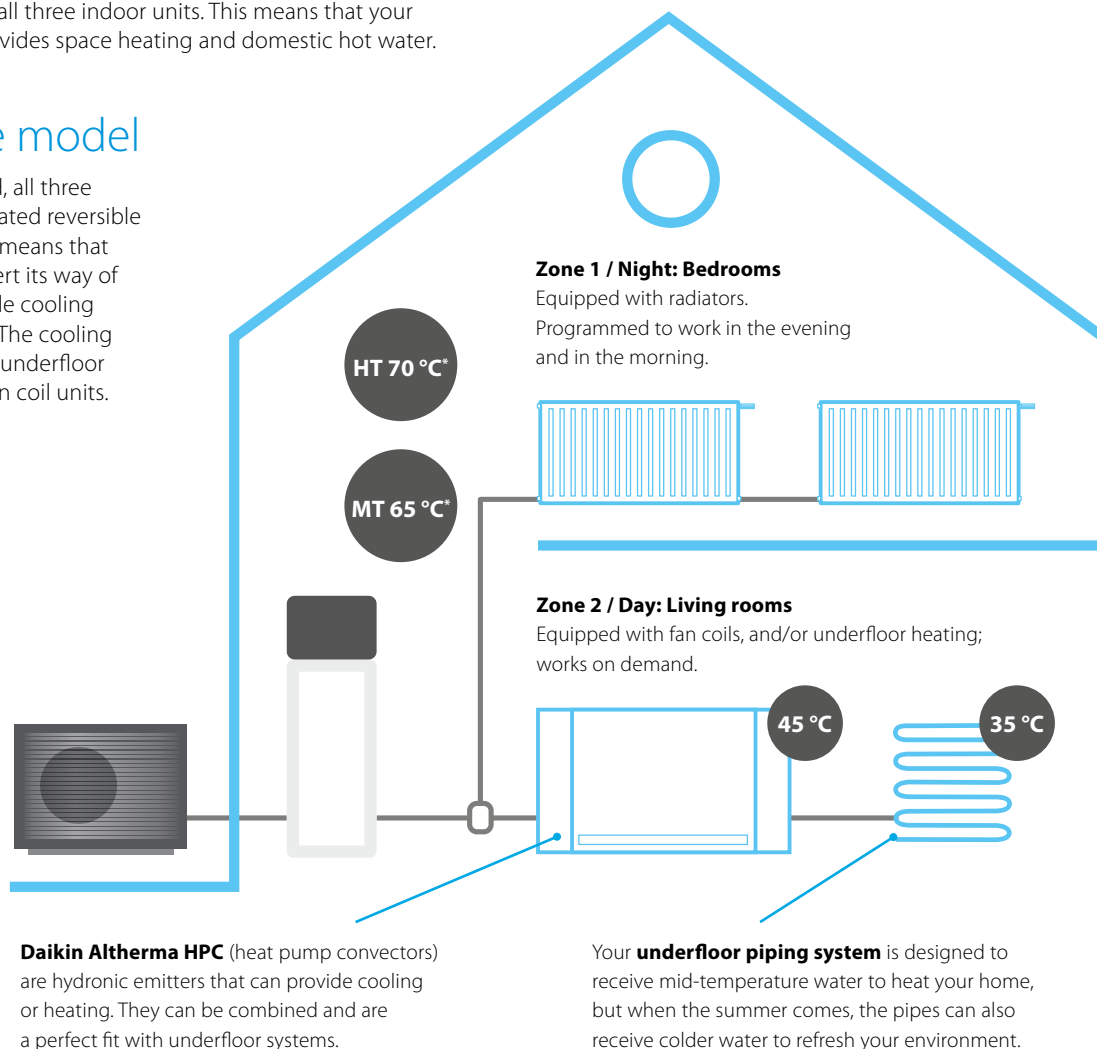
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.

+ Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

+ Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or fan coil units.



+ Bizone model

Only the DHW stainless steel tank model has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

* Daikin Altherma 3 H HT models (14-16-18 classes). Daikin Altherma 3 H MT produces a LWT up to 65 °C.



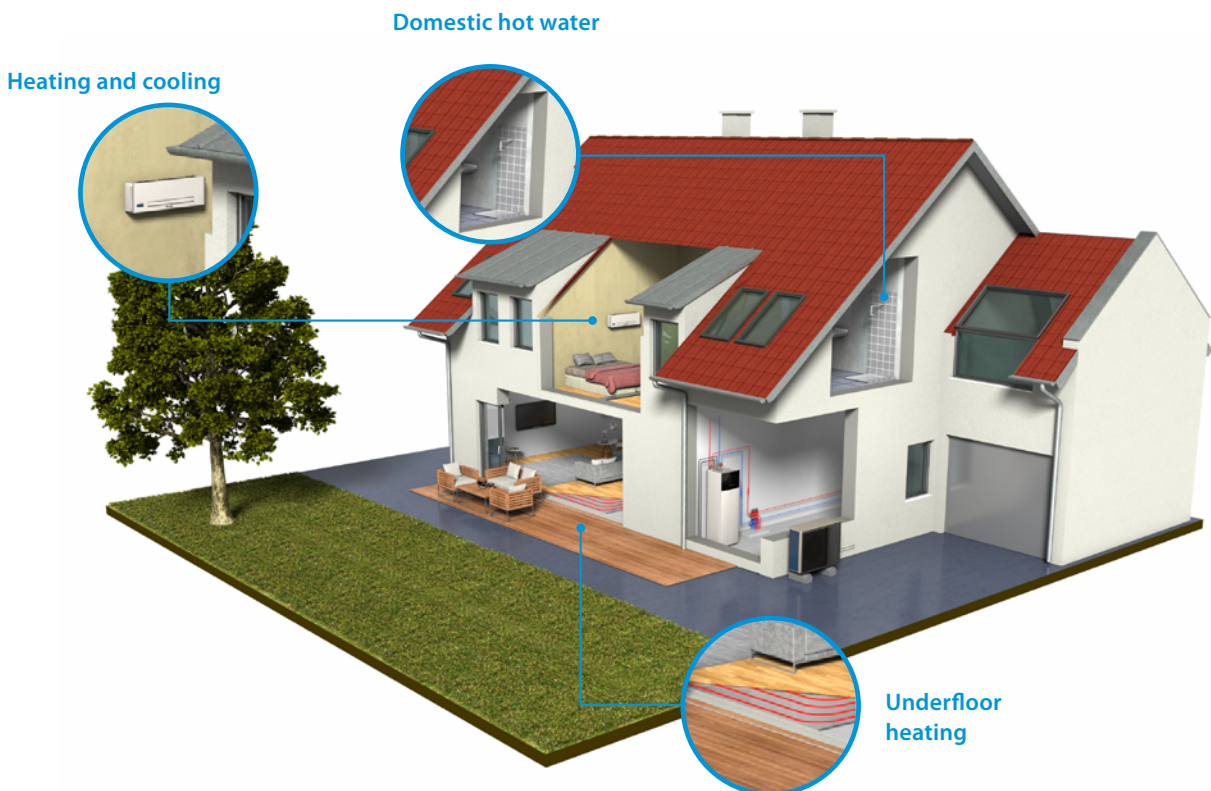
Floor standing unit with integrated tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for renovation or large new built.

All in one system to save installation space and time

- › A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- › Inclusion of all hydraulic components means no third party components are required.
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater choice of 6, 9 kW models are available
- › Dedicated bi-zone models allowing temperature monitoring for 2 zones.



All-in one design

Reduces the installation footprint and height

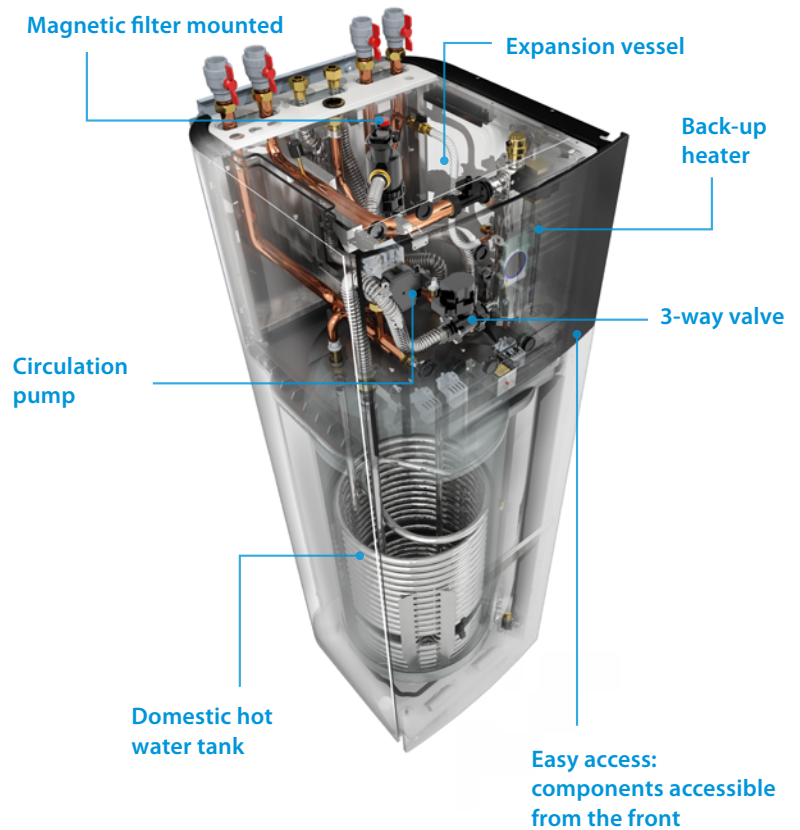
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 H MT F

Floor standing air to water heat pump for heating and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



ETVH12E6V



ETVH12E9W



EPRA08-12EV3



EPRA08-12EW1

Efficiency data				ETVH + EPRA		12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.41 / 3.52				3.43 / 3.53			
			ηs (Seasonal space heating efficiency) %			134 / 138					
	Seasonal space heating eff. class					A++					
	Average climate water outlet 35 °C	General	SCOP	4.69 / 4.81		4.71 / 4.84		4.71 / 4.84			
ηs (Seasonal space heating efficiency) %			184 / 190		186 / 191		186 / 191				
Seasonal space heating eff. class					A+++						
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
		Average COPdhw	2.72 / 2.80		2.96 / 3.05		2.72 / 2.80		2.96 / 3.05		2.72 / 2.80
	Climate	ηwh (water heating efficiency) %		117 / 120		126 / 130		117 / 120		126 / 130	
	Water heating energy efficiency class					A+					

Indoor Unit		ETVH	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W
Casing	Colour	White + Black						
	Material	Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625
Weight	Unit		kg	108	117	108	117	108
Tank	Water volume		l	180	230	180	230	180
	Maximum water temperature		°C	70				
	Maximum water pressure		bar	10				
	Corrosion protection			Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
	Domestic hot water	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
Sound power level	Nom.		dBA					
Sound pressure level	Nom.		dBA					

Outdoor Unit		EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		
Weight	Unit		kg		
Compressor	Quantity		1		
	Type		Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB		
	Cooling	Min.~Max.	°CDB		
	Domestic hot water	Min.~Max.	°CDB		
Refrigerant	Type		R-32		
	GWP		675		
	Charge	kg	3.25		
	Charge	TCO ₂ Eq	2.19		
	Control		Expansion valve		
LW(A) Sound power level (according to EN14825)			53		
Sound pressure level (at 1 meter)	Nom.		V3: 40.6 - W1: 41.1		
Power supply	Name/Phase/Frequency/Voltage		Hz/V		
Current	Recommended fuses		A		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT F

Floor standing air to water heat pump for heating and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				ETVH + EPRA	16S18E6V/E9W + 14DV/W	16S23E6V/E9W + 14DV/W	16S18E6V/E9W + 16DV/W	16S23E6V/E9W + 16DV/W	16S18E6V/E9W + 18DV/W	16S23E6V/E9W + 18DV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.58 / 3.57						
			ηs (Seasonal space heating efficiency) %	140						
	Average climate water outlet 35 °C	General	SCOP	4.51 / 4.71						
			ηs (Seasonal space heating efficiency) %	177 / 186						
Domestic hot water heating	General climate	Declared load profile		L						
		Average COPdhw	2.62 / 2.51		2.61 / 2.55		2.62 / 2.51		2.61 / 2.55	
		ηwh (water heating efficiency) %	110 / 106		108 / 107		110 / 106		108 / 107	
		Water heating energy efficiency class	A							

Indoor Unit		ETVH	16S18E6V/E9W	16S23E6V/E9W	16S18E6V/E9W	16S23E6V/E9W	16S18E6V/E9W	16S23E6V/E9W
Casing	Colour	White + Black						
	Material	Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625
Weight	Unit		kg	109	118	109	118	109
Tank	Water volume		l	180	230	180	230	180
	Maximum water temperature		°C	70				
	Maximum water pressure		bar	10				
	Corrosion protection			Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
	Domestic hot water	Ambient	Min.~Max.	°C				
		Water side	Min.~Max.	°C				
Sound power level	Nom.		dB(A)	44				
Sound pressure level	Nom.		dB(A)	30				

Outdoor Unit		EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533	
Weight	Unit		kg	146/151	
Compressor	Quantity			1	
	Type			Hermetically sealed scroll compressor	
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25	
	Cooling	Min.~Max.	°CDB	10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35	
Refrigerant	Type			R-32	
	GWP			675	
	Charge		kg	4.20	
	Charge		TCO ₂ Eq	2.84	
	Control			Expansion valve	
LW(A) Sound power level (according to EN14825)				54	
Sound pressure level (at 1 meter)	Nom.			43,0	48,0
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400	
Current	Recommended fuses		A	32/16	

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT F

Floor standing air to water heat pump for heating, cooling and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



ETVX12E6V



ETVX12E9W



EPRA08-12EV3



EPRA08-12EW1



Efficiency data				ETVX + EPRA	12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP ηs (Seasonal space heating efficiency) %	3.47 / 3.59		3.48 / 3.60				
			Seasonal space heating eff. class			136 / 141				
	Average climate water outlet 35 °C	General	SCOP ηs (Seasonal space heating efficiency) %	4.79 / 4.95		4.82 / 4.98				
			Seasonal space heating eff. class	188 / 195		190 / 196				
Domestic hot water heating	General	Declared load profile		L						
	Average climate	COPdhw		2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	
		ηwh (water heating efficiency) %		117 / 120	126 / 130	117 / 120	126 / 130	117 / 120	126 / 130	
		Water heating energy efficiency class		A++						

Indoor Unit				ETVX	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit		kg	108	117	108	117	108	117	
Tank	Water volume		l	180	230	180	230	180	230	
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C -28 ~ 25						
		Water side	Min.~Max.	°C 18 ~ 65						
	Cooling	Ambient	Min.~Max.	°C 10 ~ 43						
		Water side	Min.~Max.	°C 5 ~ 22						
	Domestic hot water	Ambient	Max.	°C -28 ~ 35						
		Water side	Min.~Max.	°C 10 ~ 65						
Sound power level	Nom.		dBA	44						
Sound pressure level	Nom.		dBA	30						

Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533			
Weight	Unit		kg	118			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25			
	Cooling	Min.~Max.	°CDB	10 ~ 43			
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	3.25			
	Charge		TCO ₂ Eq	2.19			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)				53			
Sound pressure level (at 1 meter)	Nom.			V3: 40.6 - W1: 41.1			
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 - W1/3~/50/400			
Current	Recommended fuses		A	V3: 32 - W1: 16			

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT F

Floor standing air to water heat pump for heating, cooling and hot water

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				ETVX + EPRA		16S18E6V/E9W + 14DV/W	16S23E6V/E9W + 14DV/W	16S18E6V/E9W + 16DV/W	16S23E6V/E9W + 16DV/W	16S18E6V/E9W + 18DV/W	16S23E6V/E9W + 18DV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.62 / 3.63							
			ηs (Seasonal space heating efficiency) %	142							
			Seasonal space heating eff. class	A++							
Average climate water outlet 35 °C	General	SCOP	4.57 / 4.81								
		ηs (Seasonal space heating efficiency) %	180 / 190								
		Seasonal space heating eff. class	A+++								
Domestic hot water heating	Average climate	General	Declared load profile		L	XL	L	XL	L	XL	
			COPdhw	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55	2.62 / 2.51	2.61 / 2.55		
			ηwh (water heating efficiency) %	110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107		
			Water heating energy efficiency class	A							

Indoor Unit				ETVX	16S18E6V/D9W	16S23E6V/D9W	16S18E6V/D9W	16S23E6V/D9W	16S18E6V/D9W	16S23E6V/D9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit	kg								
Tank	Water volume	l								
	Maximum water temperature	°C								
	Maximum water pressure	bar								
	Corrosion protection	Pickling								
Operation range	Heating	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Cooling	Ambient	Min.~Max.	°C						
		Water side	Min.~Max.	°C						
	Domestic hot water	Ambient	Max.	°C						
		Water side	Min.~Max.	°C						
Sound power level	Nom.	dBA								
Sound pressure level	Nom.	dBA								

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533			
Weight	Unit	kg					
Compressor	Quantity	1					
	Type	Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB				
	Cooling	Min.~Max.	°CDB				
	Domestic hot water	Min.~Max.	°CDB				
Refrigerant	Type	R-32					
	GWP	675					
	Charge	kg	4.20				
	Charge	TCO ₂ Eq	2.84				
	Control	Expansion valve					
LW(A) Sound power level (according to EN14825)	54						
Sound pressure level (at 1 meter)	Nom.	43,0			48,0		
Power supply	Name/Phase/Frequency/Voltage	Hz/V					
Current	Recommended fuses	A					

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT F

Floor standing integrated with **two different temperature zones monitoring**

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C

More details and final information can be found by scanning or clicking the QR codes.



ETVZ12E6V



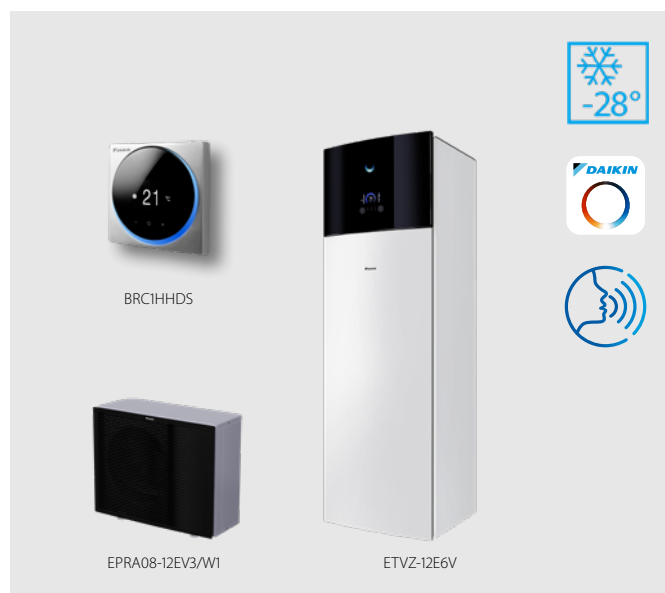
ETVZ12E9W



EPRA08-12EV3



EPRA08-12EW1



Efficiency data		ETVZ + EPRA		12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.41 / 3.52		3.43 / 3.53			
			ηs (Seasonal space heating efficiency) %			134 / 138			
		Seasonal space heating eff. class			A++				
	Average climate water outlet 35 °C	General	SCOP	4.69 / 4.82		4.71 / 4.69		4.71 / 4.84	
		ηs (Seasonal space heating efficiency) %	184 / 190		186 / 184		186 / 191		
		Seasonal space heating eff. class			A+++				
Domestic hot water heating	General	Declared load profile		L					
	Average climate	COPdhw		2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05	2.72 / 2.80	2.96 / 3.05
		ηwh (water heating efficiency) %		117 / 120	126 / 130	117 / 120	126 / 130	117 / 120	126 / 130
		Water heating energy efficiency class			A+				

Indoor Unit		ETVZ	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	
Casing	Colour	White + Black							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg	114	122	114	122	114	122
Tank	Water volume		l	180	230	180	230	180	230
	Maximum water temperature		°C	70					
	Maximum water pressure		bar	10					
	Corrosion protection			Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C		-28 ~ 25			
		Water side	Min.~Max.	°C		18 ~ 65			
	Domestic hot water	Ambient	Min.~Max.	°C		-28 ~ 35			
		Water side	Min.~Max.	°C		10 ~ 65			
Sound power level	Nom.		dBA	44					
Sound pressure level	Nom.		dBA	30					

Outdoor Unit		EPRA	08EV3/W1	10EV3/W1	12EV3/W1	
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,270x533
Weight	Unit		kg			118
Compressor	Quantity					1
	Type					Hermetically sealed swing compressor
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Type					R-32
	GWP					675
	Charge		kg			3.25
	Charge		TCO ₂ Eq			2.19
	Control					Expansion valve
LW(A) Sound power level (according to EN14825)						53
Sound pressure level (at 1 meter)	Nom.					V3: 40.6 - W1: 41.1
Power supply	Name/Phase/Frequency/Voltage		Hz/V			V3/1~/50/230 - W1/3~/50/400
Current	Recommended fuses		A			V3: 32 - W1: 16

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT F

Floor standing integrated with **two different temperature zones monitoring**

- › A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Small installation footprint of 595 x 625 mm
- › Integrated back-up heater of 6 or 9 kW
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



ETVZ-E6V



ETVZ-E9W



EPRA14-18DV3



EPRA14-18DW1

Efficiency data				ETVZ + EPRA		16S18E6V/E9W + 14DV/W	16S23E6V/E9W + 14DV/W	16S18E6V/E9W + 16DV/W	16S23E6V/E9W + 16DV/W	16S18E6V/E9W + 18DV/W	16S23E6V/E9W + 18DV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3,58 / 3,57							
		ns (Seasonal space heating efficiency) %	140								
	General	Seasonal space heating eff. class	A++								
	Average climate water outlet 35 °C	General	SCOP	4,51 / 4,71							
		ns (Seasonal space heating efficiency) %	177 / 186								
		General	Seasonal space heating eff. class	A+++							
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL		
	Average climate	COPdhw		2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55	2,62 / 2,51	2,61 / 2,55		
	climate	η _{wh} (water heating efficiency) %		110 / 106	108 / 107	110 / 106	108 / 107	110 / 106	108 / 107		
			Water heating energy efficiency class	A							

Indoor Unit				ETVZ	16S18E6V/E9W	16S23E6V/E9W	16S18E6V/E9W	16S23E6V/E9W	16S18E6V/E9W	16S23E6V/E9W
Casing	Colour	White + Black								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,850x595x625
Weight	Unit		kg	120	128	120	128	120	128	128
Tank	Water volume		l	180	230	180	230	180	230	230
	Maximum water temperature		°C	70						
	Maximum water pressure		bar	10						
	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	15 ~ 70					
	Domestic hot water	Ambient	Min.~Max.	°C	-28 ~ 35					
		Water side	Min.~Max.	°C	10 ~ 63					
Sound power level	Nom.		dBA	44						
Sound pressure level	Nom.		dBA	30						

Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1270x533			
Weight	Unit		kg	146/151			
Compressor	Quantity			1			
	Type			Hermetically sealed scroll compressor			
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25			
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35			
Refrigerant	Type			R-32			
	GWP			675			
	Charge		kg	4.20			
	Charge		TCO ₂ Eq	2.84			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)				54			
Sound pressure level (at 1 meter)	Nom.			43,0			48,0
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400			
Current	Recommended fuses		A	32/16			

This product contains fluorinated greenhouse gases.

Floor standing unit with integrated ECH₂O tank

The Daikin Altherma high temperature split integrated ECH₂O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

- › The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- › Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- › Electronic management of both heat pump and ECH₂O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- › Achieves the highest standards for water sanitation
- › Uses more renewable energy with solar connection

Innovative and high-quality tank

- › Lightweight plastic tank
- › No corrosion, anode, scale or lime deposits
- › Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

- › The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH₂O

Outdoor unit connection

Hydraulics

New controller display

Polypropylene tank



Advanced user interface

The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

ECH₂O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

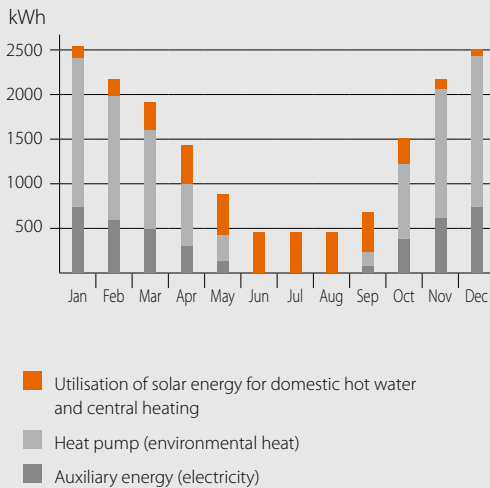
Pressureless (drain-back) solar system (ETSH*, ETSX*)

- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system (ETSHB*, ETSXB*)

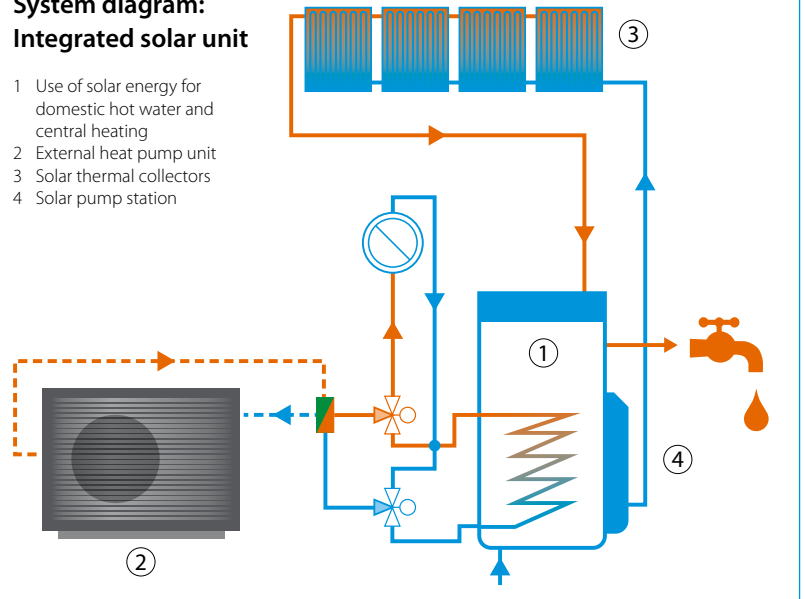
- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma 3 H MT ECH₂O

Floor standing air-to-water heat pump for heating and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Heat pump operation down to -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



More details and final information can be found by scanning or clicking the QR codes.



ETSH12E



EPRA08-12EV3



EPRA08-12EW1

Efficiency data				ETSH + EPRA		12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.41 / 3.52		3.43 / 3.53					
			ηs (Seasonal space heating efficiency) %	134 / 138							
			Seasonal space heating eff. class	A++							
Domestic hot water heating	Average climate	General	SCOP	4.69 / 4.81		4.71 / 4.84		4.71 / 4.84			
			ηs (Seasonal space heating efficiency) %	184 / 190		186 / 191		186 / 191			
			Seasonal space heating eff. class	A+++		L					
Indoor Unit	Declared load profile	General	COP _{dhw}	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17
		Average climate	η _{wh} (water heating efficiency) %	116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131
			Water heating energy efficiency class	A+							
Indoor Unit				ETSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit		kg	75	98	75	98	75	98	75	98
Tank	Water volume		l	294	477	294	477	294	477	294	477
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
	Domestic hot water	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
Sound power level	Nom.		dBA	47.3							
Sound pressure level	Nom.		dBA	38.6							
Outdoor Unit				EPRA	08EV3/W1	10EV3/W1	12EV3/W1				
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	118							
Compressor	Quantity			1							
	Type			Hermetically sealed swing compressor							
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25							
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35							
Refrigerant	Type			R-32							
	GWP			675							
	Charge		kg	3.25							
	Charge		TCO ₂ Eq	2.19							
LW(A) Sound power level (according to EN14825)	Nom.			Expansion valve							
				53							
Sound pressure level (at 1 meter)	Nom.			V3: 40.6 - W1: 41.1							
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 - W1/3~/50/400							
Current	Recommended fuses		A	V3: 32 - W1: 16							

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH₂O

Floor standing air-to-water heat pump for heating and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Heat pump operation down to -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



More details and final information can be found by scanning or clicking the QR codes.



ETSH-D



EPRA14-18DV3



EPRA14-18DW1

Efficiency data				ETSH + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.58 / 3.57							
			ηs (Seasonal space heating efficiency) %	140							
		Seasonal space heating eff. class	A++								
	Average climate water outlet 35 °C	General	SCOP	4,51 / 4,71							
		ηs (Seasonal space heating efficiency) %	177 / 186								
		Seasonal space heating eff. class	A+++								
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COPdhw			2.38	2.75 / 2.67	2.38	2.75 / 2.67	2.38	2.75 / 2.67	
		ηwh (water heating efficiency) %			101	115 / 111	101	115 / 111	101	115 / 111	
		Water heating energy efficiency class			A						
Indoor Unit				ETSH	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x590x615			1,896x785x785			1,891x590x615	1,896x785x785
Weight	Unit	kg	77	94	77	94	77	94	77	94	
Tank	Water volume	l	294	477	294	477	294	477	294	477	
	Maximum water temperature	°C	85								
Operation range	Heating	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
	Domestic hot water	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
Sound power level	Nom.	dBA	45.6								
Sound pressure level	Nom.	dBA	32.8								
Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	16DV3/W1	18DV3/W1	18DV3/W1	18DV3/W1	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit	kg	146 / 151								
Compressor	Quantity	1									
	Type	Hermetically sealed scroll compressor									
Operation range	Heating	Min.~Max.	°CDB								
	Domestic hot water	Min.~Max.	°CDB								
Refrigerant	Type	R-32									
	GWP	675									
	Charge	kg	4.20								
	Charge	TCO ₂ Eq	2.84								
	Control	Expansion valve									
LW(A) Sound power level (according to EN14825)	54										
Sound pressure level (at 1 meter)	Nom.	43.0							48.0		
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1~/50/230 / W1/3~/50/400								
Current	Recommended fuses	A	32/16								

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT ECH₂O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -28°C



up to

More details and final information can be found by scanning or clicking the QR codes.



ETSHB12E



EPRA08-12EV3



EPRA08-12EW1

Efficiency data				ETSHB + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W		
Space heating	Average climate water outlet 55 °C	General	SCOP	3.41 / 3.52			3.43 / 3.53					
			η _s (Seasonal space heating efficiency) %	134 / 138								
			Seasonal space heating eff. class	A++								
Average climate water outlet 35 °C	General	SCOP	4.69 / 4.81			4.71 / 4.84		4.71 / 4.84				
		η _s (Seasonal space heating efficiency) %	184 / 190			186 / 191		186 / 191				
		Seasonal space heating eff. class	A+++									
Domestic hot water heating	Average climate	Declared load profile		L								
		COP _{dhw}	2.75 / 2.83		3.10 / 3.17		2.75 / 2.83		3.10 / 3.17		2.75 / 2.83	
		η _{wh} (water heating efficiency) %	116 / 119		128 / 131		116 / 119		128 / 131		116 / 119	
Water heating energy efficiency class		A+										
Indoor Unit		ETSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)										
	Material	Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,910x792x816		
Weight	Unit		kg	76	100	76	100	76	100	100		
Tank	Water volume		l	294	477	294	477	294	477	477		
	Maximum water temperature		°C	85								
Operation range	Heating	Ambient	Min.~Max.	°C								
		Water side	Min.~Max.	°C								
	Domestic hot water	Ambient	Min.~Max.	°C								
		Water side	Min.~Max.	°C								
Sound power level	Nom.		dBA	45.6								
Sound pressure level	Nom.		dBA	32.8								
Outdoor Unit		EPRA	08EV3/W1	10EV3/W1	12EV3/W1							
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533								
Weight	Unit		kg	118								
Compressor	Quantity			1								
	Type			Hermetically sealed swing compressor								
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25								
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35								
Refrigerant	Type			R-32								
	GWP			675								
	Charge		kg	3.25								
	Charge		TCO ₂ Eq	2.19								
	Control			Expansion valve								
LW(A) Sound power level (according to EN14825)				53								
Sound pressure level (at 1 meter)	Nom.			V3: 40.6 - W1: 41.1								
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 - W1/3~/50/400								
Current	Recommended fuses		A	V3: 32 - W1: 16								

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH₂O

Floor standing air-to-water heat pump for **bivalent heating and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation
- › Heat pump operation down to -28 °C



More details and final information can be found by scanning or clicking the QR codes.



ETSHB-D



EPRA14-18DV3



EPRA14-18DW1

Efficiency data				ETSHB + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.58 / 3.57							
			ηs (Seasonal space heating efficiency) %	140							
			Seasonal space heating eff. class	A++							
Average climate water outlet 35 °C	General	SCOP	4.51 / 4.71								
		ηs (Seasonal space heating efficiency) %	177 / 186								
		Seasonal space heating eff. class	A+++								
Domestic hot water heating	General Average climate	Declared load profile		L	XL	L	XL	L	XL		
		COP _{dhw}		2.38	2.58 / 2.75	2.38	2.58 / 2.75	2.38	2.58 / 2.75		
		η _{wh} (water heating efficiency) %		101	108 / 115	101	108 / 115	101	108 / 115		
		Water heating energy efficiency class		A							
Indoor Unit				ETSHB	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material	Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x590x615			1,896x785x790			1,891x590x615	1,896x785x785
Weight	Unit		kg	79	100	79	100	79	100		
Tank	Water volume		l	294	477	294	477	294	477		
	Maximum water temperature		°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
	Domestic hot water	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
Sound power level	Nom.	dBA									
Sound pressure level	Nom.	dBA									
Outdoor Unit				EPRA	14DV3/W1	16DV3/W1	18DV3/W1				
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533							
Weight	Unit		kg	146 / 151							
Compressor	Quantity	1									
	Type	Hermetically sealed scroll compressor									
Operation range	Heating	Min.~Max.	°CDB								
	Domestic hot water	Min.~Max.	°CDB								
Refrigerant	Type	R-32									
	GWP	675									
	Charge	kg									
	Charge	TCO ₂ Eq									
	Control	Expansion valve									
LW(A) Sound power level (according to EN14825)	54										
Sound pressure level (at 1 meter)	Nom.	43.0							48.0		
Power supply	Name/Phase/Frequency/Voltage	Hz/V									
Current	Recommended fuses	A									

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT ECH₂O

Floor standing air-to-water heat pump for **heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



up to **A+++** **A+** **65 °C** **R-32**

More details and final information can be found by scanning or clicking the QR codes.



ETSX12E



EPRA08-12EV3



EPRA08-12EW1

Efficiency data				ETSX + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.47 / 3.59				3.48 / 3.60		
			ηs (Seasonal space heating efficiency) %			136 / 141				
			Seasonal space heating eff. class			A++				
Average climate water outlet 35 °C	General	SCOP	4.79 / 4.95				4.82 / 4.98			
		ηs (Seasonal space heating efficiency) %	189 / 195				190 / 196			
		Seasonal space heating eff. class			A+++					
Domestic hot water heating	Average climate	General	Declared load profile							
			COPdhw	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	2.75 / 2.83	3.10 / 3.17	
			ηwh (water heating efficiency) %	116 / 119	128 / 131	116 / 119	128 / 131	116 / 119	128 / 131	
			Water heating energy efficiency class	A+						

Indoor Unit		ETSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit		kg	75	98	75	98	75	98
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
Sound power level	Nom.		dB(A)	47.3					
Sound pressure level	Nom.		dB(A)	38.6					

Outdoor Unit		EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		
Weight	Unit		kg		
Compressor	Quantity		1		
	Type		Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB		
	Cooling	Min.~Max.	°CDB		
	Domestic hot water	Min.~Max.	°CDB		
Refrigerant	Type		R-32		
	GWP		675.0		
	Charge	kg	3.25		
	Charge	TCO ₂ Eq	2.19		
	Control		Expansion valve		
LW(A) Sound power level (according to EN14825)			53		
Sound pressure level (at 1 meter)	Nom.		V3: 40.6 - W1: 41.1		
Power supply	Name/Phase/Frequency/Voltage		Hz/V		
Current	Recommended fuses		A		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH₂O

Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support

- › Integrated solar unit, offering top comfort in heating, hot water and cooling
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Solar support of domestic hot water with pressureless (drain-back) solar system
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating, hot water and cooling operation
- › Outdoor unit extracts heat from the outdoor air, even at -28 °C
- › Possible to connect to photovoltaic solar panels to provide energy for your heat pump



up to **A+++** **A** **70°C** **R-32**



011-1W0355-356
011-1W0359-360
011-1W0363-364

More details and final information can be found by scanning or clicking the QR codes.



ETSX-D



EPRA14-18DV3



EPRA14-18DW1

Efficiency data		ETSX + EPRA		16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W	
Space heating	Average climate water outlet 55 °C	General	SCOP	3.62 / 3.63						
			ηs (Seasonal space heating efficiency) %	142						
			Seasonal space heating eff. class	A++						
Domestic hot water heating	Average climate water outlet 35 °C	General	SCOP	4.57 / 4.81						
			ηs (Seasonal space heating efficiency) %	180 / 190						
			Seasonal space heating eff. class	A+++						
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.38	2.75 / 2.67	2.38	2.75 / 2.67	2.38	2.75 / 2.67
		ηwh (water heating efficiency) %			101	115 / 111	101	115 / 111	101	115 / 111
		Water heating energy efficiency class			A					

Indoor Unit		ETSX		16P30D	16P50D	16P30D	16P50D	16P30D	16P50D
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x590x615	1,896x785x785	1,891x590x615	1,896x785x785	1,891x590x615	1,896x785x785
Weight	Unit		kg	77	94	77	94	77	94
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	-28 ~ 35					
		Water side	Min.~Max.	15 ~ 70					
	Cooling	Ambient	Min.~Max.	10 ~ 43					
		Water side	Min.~Max.	5 ~ 22					
	Domestic hot water	Ambient	Min.~Max.	-28 ~ 35					
		Water side	Min.~Max.	10 ~ 63					
Sound power level	Nom.		dBA	45.6					
Sound pressure level	Nom.		dBA	32.8					

Outdoor Unit		EPRA		14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit		kg	146/151		
Compressor	Quantity			1		
	Type			Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25		
	Cooling	Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	4.20		
	Charge		TCO ₂ Eq	2.84		
	Control			Expansion valve		
LW(A) Sound power level (according to EN14825)				54		
Sound pressure level (at 1 meter)	Nom.			43.0		48.0
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses		A	32/16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT ECH₂O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation



up to

More details and final information can be found by scanning or clicking the QR codes.



ETSXB12E



EPRA08-12EV3



EPRA08-12EW1

Efficiency data		ETSXB-D + EPRA		12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.47 / 3.59		3.48 / 3.60			
			η _s (Seasonal space heating efficiency) %	136 / 141		136 / 141			
		Seasonal space heating eff. class	A++						
Domestic hot water heating	Average climate	General	SCOP	4.79 / 4.95		4.82 / 4.98			
			η _s (Seasonal space heating efficiency) %	189 / 195		190 / 196			
		Seasonal space heating eff. class	A+++						
	General	Declared load profile			L				
	COP _{dhw}	2.75 / 2.83		3.10 / 3.17		2.75 / 2.83		3.10 / 3.17	
	η _{wh} (water heating efficiency) %	116 / 119		128 / 131		116 / 119		128 / 131	
	Water heating energy efficiency class	A+							

Indoor Unit		ETSXB		12P30E	12P50E	12P30E	12P50E	12P30E	12P50E
Casing	Colour	Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816
Weight	Unit		kg	76	100	76	100	76	100
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
Sound power level	Nom.		dBA	47.3					
Sound pressure level	Nom.		dBA	38.6					

Outdoor Unit		EPRA		08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit		kg	118		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25		
	Cooling	Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	3.25		
	Charge		TCO ₂ Eq	2.19		
	Control			Expansion valve		
LW(A) Sound power level (according to EN14825)				53		
Sound pressure level	Nom. (at 1 meter)			V3: 40.6 - W1: 41.1		
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 - W1/3~/50/400		
Current	Recommended fuses		A	V3: 32 - W1: 16		

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT ECH₂O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- › Integrated solar unit, offering top comfort in heating and hot water
- › Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- › Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- › Bivalent system: combinable with a secondary heat source
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › App control possible for managing heating and hot water operation



More details and final information can be found by scanning or clicking the QR codes.



ETSXB-D



EPRA14-18DV3



EPRA14-18DW1

Efficiency data				ETSXB + EPRA	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV/W	16P50D + 16DV/W	16P30D + 18DV/W	16P50D + 18DV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.62 / 3.63						
			η _s (Seasonal space heating efficiency) %	142						
			Seasonal space heating eff. class	A++						
Average climate water outlet 35 °C	General	SCOP	4.57 / 4.81							
		η _s (Seasonal space heating efficiency) %	180 / 190							
		Seasonal space heating eff. class	A+++							
Domestic hot water heating	Average climate	General	Declared load profile	L	XL	L	XL	L	XL	
			COP _{dhw}	2.38	2.58 / 2.75	2.38	2.58 / 2.75	2.38	2.58 / 2.75	
			η _{wh} (water heating efficiency) %	101	108 / 115	101	108 / 115	101	108 / 115	
			Water heating energy efficiency class	A						

Indoor Unit		ETSXB	16P30D	16P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material	Impact resistant polypropylene							
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x590x615	1,896x785x785	1,891x590x615	1,896x785x785	1,891x590x615	1,896x785x785
Weight	Unit		kg	79	100	79	100	79	100
Tank	Water volume		l	294	477	294	477	294	477
	Maximum water temperature		°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
Sound power level	Nom.		dBA	45.6					
Sound pressure level	Nom.		dBA	32.8					

Outdoor Unit		EPRA	14DV3/W1	16DV3/W1	18DV3/W1	
Dimensions	Unit	HeightxWidthxDepth	mm	1,003x1,270x533		
Weight	Unit		kg	146/151		
Compressor	Quantity			1		
	Type			Hermetically sealed scroll compressor		
Operation range	Heating	Min.~Max.	°CDB	-28 ~ 25		
	Cooling	Min.~Max.	°CDB	10 ~ 43		
	Domestic hot water	Min.~Max.	°CDB	-28 ~ 35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	4.20		
	Charge		TCO ₂ Eq	2.84		
	Control			Expansion valve		
LW(A) Sound power level (according to EN14825)				54		
Sound pressure level (at 1 meter)	Nom.			43.0		48.0
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230 / W1/3~/50/400		
Current	Recommended fuses		A	32/16		

This product contains fluorinated greenhouse gases.

Wall mounted unit

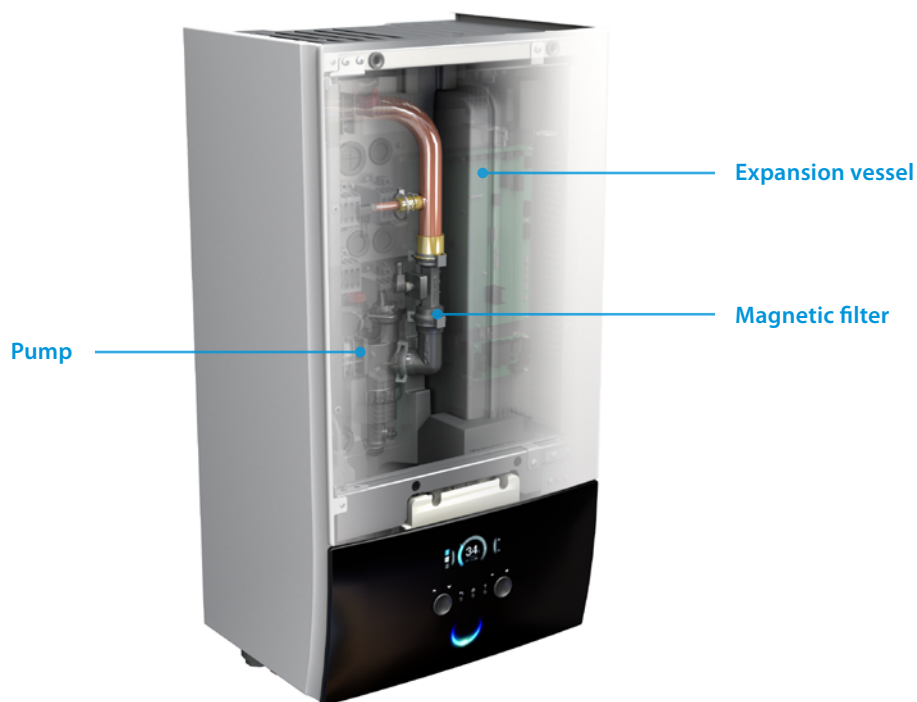


Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel or ECH₂O thermal store



Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH₂O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

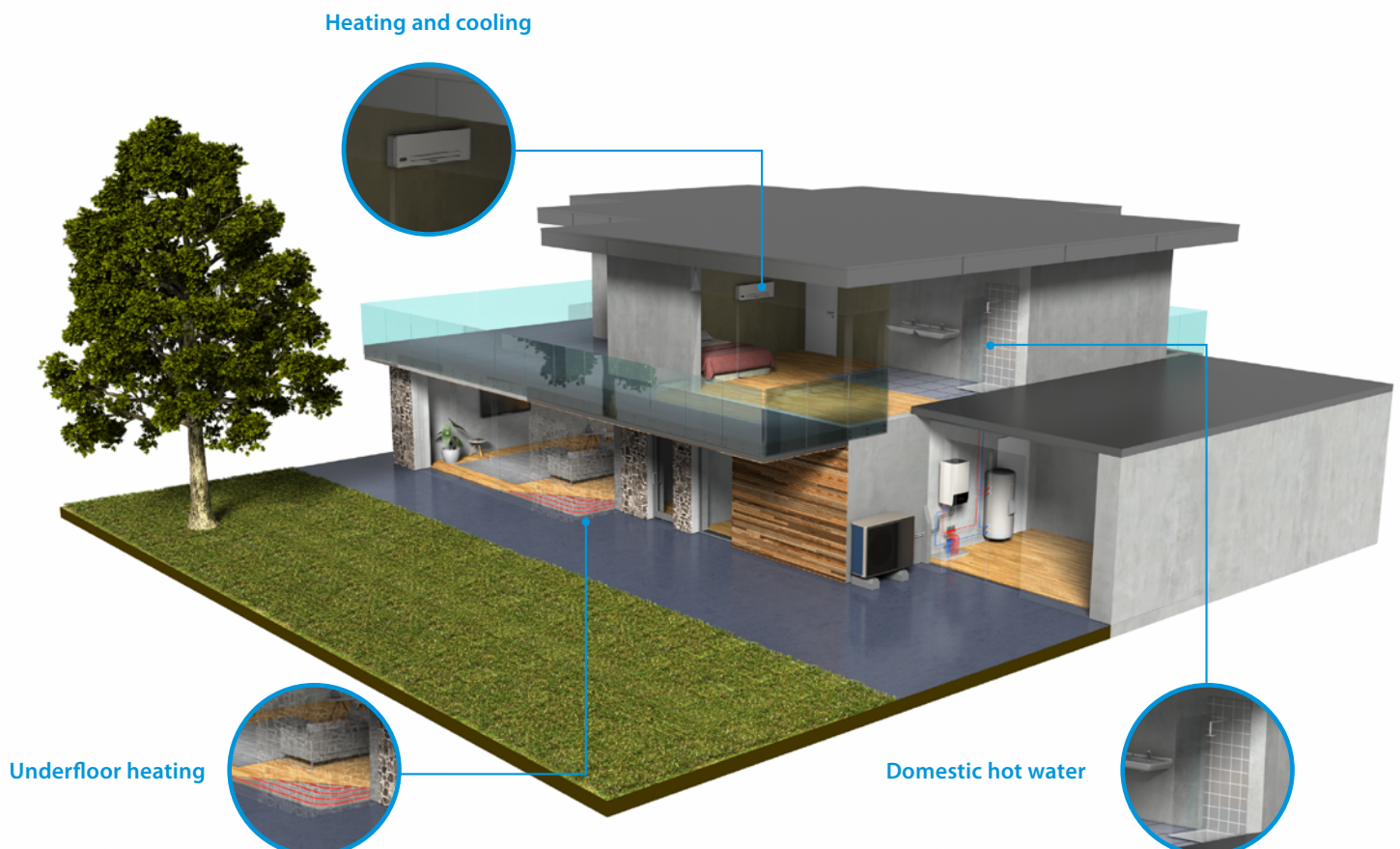
- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: with high tapping performance
- › Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



Flexibility in providing space heating

The wall mounted unit is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.



Daikin Altherma 3 H MT W

Wall mounted **heating only** air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH₂O thermal store
- > Heat pump operation down to -28 °C



up to

More details and final information can be found by scanning or clicking the QR codes.



ETBH12E6V



ETBH12E9W



EPRA08-12EV3



EPRA08-12EW1

Efficiency data			ETBH + EPRA		12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.41 / 3.52		3.43 / 3.53				
			η _s (Seasonal space heating efficiency) %			134 / 138				
		General	Seasonal space heating eff. class			A++				
	Average climate water outlet 35 °C	General	SCOP	4.69 / 4.81		4.71 / 4.84		4.71 / 4.84		
			η _s (Seasonal space heating efficiency) %	184 / 190		186 / 191		186 / 191		
			Seasonal space heating eff. class			A+++				
Indoor Unit			ETBH	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W	
Casing	Colour	White + Black								
	Material	Sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm							
			840x440x390							
Weight	Unit	kg								
			36.5							
Operation range	Heating	Ambient	Min.~Max.	°C						
				-28 ~ 25						
	Water side	Min.~Max.	°C							
			18 ~ 65							
Domestic hot water	Ambient	Min.~Max.	°C							
			-28 ~ 35							
	Water side	Min.~Max.	°C							
			10 ~ 63							
Sound power level	Nom.			dBA						
				44						
Sound pressure level	Nom.			dBA						
				30						
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1				
Dimensions	Unit	HeightxWidthxDepth	mm							
			1,003x1,270x533							
Weight	Unit	kg								
			118							
Compressor	Quantity	1								
	Type	Hermetically sealed swing compressor								
Operation range	Heating	Min.~Max.	°CDB							
			-28 ~ 25							
	Domestic hot water	Min.~Max.	°CDB							
			-28 ~ 35							
Refrigerant	Type	R-32								
	GWP	675.0								
	Charge	kg	3.25							
	Charge	TCO ₂ /Eq	2.19							
	Control	Expansion valve								
LW(A) Sound power level (according to EN14825)			53							
Sound pressure level (at 1 meter)	Nom.			V3: 40.6 - W1: 41.1						
Power supply	Name/Phase/Frequency/Voltage			Hz/V						
				V3/1~/50/230 - W1/3~/50/400						
Current	Recommended fuses			A						
				V3:32 - W1: 16						

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT W

Wall mounted **heating only** air-to-water heat pump

- › Inclusion of all hydraulic components means no third party components are required
- › PCB board and hydraulic components are located in the front for easy access
- › Compact dimensions allows for small installation space, as almost no side clearances are required
- › The unit's sleek design blends in with other household appliances
- › Combine with a stainless steel tank or ECH₂O thermal store
- › Heat pump operation down to -28 °C



up to **A+++** **R-32**



More details and final information can be found by scanning or clicking the QR codes.



ETBH-E6V



ETBH-E9W



EPRA14-18DV3



EPRA14-18DW1

Efficiency data		ETBH + EPRA		16E6V + 14DV/DW	16E9W + 14DV/DW	16E6V + 16DV/W	16E9W + 16DV/W	16E6V + 18DV/DW	16E9W + 18DV/DW
Space heating	Average climate water outlet 55 °C	General	SCOP	3.58 / 3.57					
			ηs (Seasonal space heating efficiency) %	140					
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++					
			SCOP	4.51 / 4.71					
			ηs (Seasonal space heating efficiency) %	177 / 186					
			Seasonal space heating eff. class	A+++					
Indoor Unit		ETBH		16E6V	16E9W	16E6V	16E9W	16E6V	16E9W
Casing	Colour	White + Black							
	Material	Sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm						
Weight	Unit	kg							
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
Sound power level	Nom.	dBA							
Sound pressure level	Nom.	dBA							
Outdoor Unit		EPRA		14DV3/W1	16DV3/W1	18DV3/W1			
Dimensions	Unit	HeightxWidthxDepth	mm						
Weight	Unit	kg							
Compressor	Quantity	1							
	Type	Hermetically sealed scroll compressor							
Operation range	Heating	Min.~Max.	°CDB						
	Domestic hot water	Min.~Max.	°CDB						
Refrigerant	Type	R-32							
	GWP	675.0							
	Charge	kg							
	Charge	TCO ₂ Eq							
	Control	Expansion valve							
LW(A) Sound power level (according to EN14825)	54								
Sound pressure level (at 1 meter)	Nom.	43.0					48.0		
Power supply	Name/Phase/Frequency/Voltage	Hz/V							
Current	Recommended fuses	A							

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H MT W

Wall mounted reversible air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH₂O thermal store
- > Heat pump operation down to -28 °C



up to

More details and final information can be found by scanning or clicking the QR codes.



Efficiency data				ETBX + EPRA	12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.47 / 3.59			3.48 / 3.60			
			η _s (Seasonal space heating efficiency) %				136 / 141			
	Seasonal space heating eff. class				A++					
	Average climate water outlet 35 °C	General	SCOP	4.79 / 4.95			4.82 / 4.98			
η _s (Seasonal space heating efficiency) %			188 / 195			190 / 196				
Seasonal space heating eff. class			A+++							

Indoor Unit		ETBX	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W		
Casing	Colour							White + Black		
	Material							Sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm		840x440x390				
Weight	Unit								kg	36,5
Operation range	Heating	Ambient	Min.~Max.	°C		-28 ~ 25				
			Water side	Min.~Max.	°C		18 ~ 65			
	Cooling	Ambient	Min.~Max.	°C		10 ~ 43				
			Water side	Min.~Max.	°C		5 ~ 22			
	Domestic hot water	Ambient	Max.	°C		-28 ~ 35				
			Water side	Min.~Max.	°C		10 ~ 63			
Sound power level	Nom.			dBA		44				
Sound pressure level	Nom.			dBA		30				

Outdoor Unit		EPRA	08EV3/W1	10EV3/W1	12EV3/W1		
Dimensions	Unit	HeightxWidthxDepth		mm		1,003x1,270x533	
Weight	Unit					kg	118
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25		
	Cooling	Min.~Max.	°CDB		10 ~ 43		
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35		
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge					kg	3.25
	Charge					TCO ₂ Eq	2.19
	Control					Expansion valve	53
LW(A) Sound power level (according to EN14825)						53	
Sound pressure level (at 1 meter)	Nom.					V3: 40.6 - W1: 41.1	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400			
Current	Recommended fuses	A		V3: 32 - W1: 16			

This product contains fluorinated greenhouse gases.

Daikin Altherma 3 H HT W

Wall mounted reversible air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH₂O thermal store
- > Heat pump operation down to -28 °C



up to



011-1W0353
011-1W0357
011-1W0361

More details and final information can be found by scanning or clicking the QR codes.



ETBX-E6V



ETBX-E9W



EPRA14-18DV3



EPRA14-18DW1

Efficiency data				ETBX + EPRA	16E6V + 014DV/W	16E9W + 14DV/W	16E6V + 16DV/W	16E9W + 16DV/W	16E6V + 18DV/W	16E9W + 18DV/W
Space heating	Average climate water outlet 55 °C	General	SCOP	3.62 / 3.63						
			ηs (Seasonal space heating efficiency) %	142						
	Average climate water outlet 35 °C	General	Seasonal space heating eff. class	A++						
			SCOP	4.57 / 4.81						
			ηs (Seasonal space heating efficiency) %	180 / 190						
			Seasonal space heating eff. class	A+++						

Indoor Unit		ETBX	16E6V	16E9W	16E6V	16E9W	16E6V	16E9W	
Casing	Colour							White + Black	
	Material							Sheet metal	
Dimensions	Unit	HeightxWidthxDepth						mm	
Weight	Unit							kg	
Operation range	Heating	Ambient	Min.~Max.		°C		-28 ~ 35		
		Water side	Min.~Max.		°C		18 ~ 70		
	Cooling	Ambient	Min.~Max.		°C		10 ~ 43		
		Water side	Min.~Max.		°C		5 ~ 22		
	Domestic hot water	Ambient	Max.		°C		-28 ~ 35		
		Water side	Min.~Max.		°C		10 ~ 63		
Sound power level	Nom.			dBA		44			
Sound pressure level	Nom.			dBA		30			

Outdoor Unit		EPRA	14DV3/W1	16DV3/W1	18DV3/W1
Dimensions	Unit	HeightxWidthxDepth		mm	
Weight	Unit			kg	
Compressor	Quantity	1			
	Type	Hermetically sealed scroll compressor			
Operation range	Heating	Min.~Max.		°CDB	
	Cooling	Min.~Max.		°CDB	
	Domestic hot water	Min.~Max.		°CDB	
Refrigerant	Type	R-32			
	GWP	675.0			
	Charge	kg		4.20	
	Charge	TCO ₂ Eq		2.84	
	Control	Expansion valve			
LW(A) Sound power level (according to EN14825)			54		
Sound pressure level (at 1 meter)	Nom.	43.0		48.0	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400	
Current	Recommended fuses	A		32/16	

This product contains fluorinated greenhouse gases.

Combination table and options

Combination table and options			Floor standing integrated ECH ₂ O	
			3 H MT	3 H HT
			ETSH(B)12P30E	ETSH(B)16P30D
			ETSH(B)12P50E	ETSH(B)16P50D
			ETSH(B)12P30E	ETSH(B)16P30D
Type	Description	Material name	ETSH(B)12P50E	ETSH(B)16P50D
Outdoor unit		EPRA08EV3/W1	●	
		EPRA10EV3/W1	●	
		EPRA12EV3/W1	●	
		EPRA14DV3/W1		●
		EPRA16DV3/W1		●
		EPRA18DV3/W1		●
Controller	Madoka wired room thermostat	BRC1HHDK/S/W	●	
	Wireless room thermostats	EKRTR	●	●
	Wired digital thermostat	EKRTRWA	●	●
	WLAN module	BRP069A71	●	
	WLAN cartridge	BRP069A78	● (1)	
	Wired digital thermostat	EKWCTRD11V3	●	●
	Wired analog thermostat	EKWCTRAN1V3	●	●
	Valve actuator	EKWCVATR1V3	●	●
	Wired underfloor heating base station	EKWUFHTA1V3	●	●
Universal centralized controller	EKCC8-W, DCOM-LT/IO, LT/MB	●		
Domestic hot water	Stainless steel tank	EKHWS(U)150D3V3		
		EKHWS(U)180D3V3		
		EKHWS(U)200D3V3		
		EKHWS(U)250D3V3		
		EKHWS(U)300D3V3		
	Polypropylene tank	EKHWP300B		
		EKHWP500B		
		EKHWP300PB		
		EKHWP500PB		
	Third party tank kit	EKHYP3PART		
Sensors	External sensor for EKRTR room thermostat	EKRSETS	●	
	High voltage smart grid relay kit	EKRELSG	●	
	Remote indoor temperature sensor	KRCS01-1	● (6)	
	Remote outdoor temperature sensor	EKRSCA1	● (6)	
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	●	
	Generic Bizone kit	EKMIKPHA	●	
Other options	Digital I/O PCB	EKRPIHBA		
	Demand PCB	EKRPIAHT	●	
	PC USB cable	EKPCCAB4	●	●
	Booster heater kit	EKBH3SD		
	Freeze protection valve	AFVALVE1	●	●
	Fernox magnetic filter without additives	K.FERNOXTF1	●	
	Fernox magnetic filter with additive	K.FERNOXTF1FL	●	
	Hydraulic diverter DN 25	156025	●	●
	Hydraulic diverter DN 125	172900	●	●
	Thermal insulation for 172900 diverter	172901	●	●
ECH ₂ O options	Inline BUH connection kit (RoCon based)	EKBUHSWB		●
	Inline BUH - connection kit	EKECBUCOIAF	●	
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V	● (8)	
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V	● (8)	
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W	● (8)	
	Backup heater 1kW	EKBUB1C		●
	Backup heater 3kW	EKBUB3C + EKBUHSWB		●
	Backup heater 9kW	EKBUB9C + EKBUHSWB		●
	Wired digital RoCon U1 Room thermostat	EHS157034		●
	Mixer module	EHS157067		●
	Optional outdoor sensor	EKRSC1		●
	RoCon G1 Gateway	EHS157056		●
	Pump group with mixer module	156075		●
	Pump group without mixer module	156077		●
	Fittings kit for mixer group MK1/MK2	156053		●
	Caleffi sludge and magnetite separator SAS1	156021	●	●
	Caleffi sludge and magnetite separator SAS2	156023		●
	Biv Connector Kit	141589		●
	Biv Connector Kit	EKECBIVCOIAF	● (9)	
	DB connector Kit	141590		●
DB connector Kit	EKECDBC0IAF	● (10)		
Terminal connection kit	141592		●	
Connector external heater	141591		●	

(1) Included in accessory bag.

(2) Dedicated connection kit: EKEPRHLT3HX.

(3) Dedicated connection kit: ETBH: EKEPRHLTSH / ETBX: EKEPRHLT5X.

(4) EKHY3PART can be used if you have a tank in which you can insert the thermistor.

(5) EKHY3PART2 needs to be used if you have a tank in which you can't insert a thermistor.

(6) Only one sensor can be connected: indoor or outdoor.

(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.

(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCOIAF is needed to connect the backup heater to the main unit.

(9) Only bivalent models.

(10) Only needed for 300 models. 500 models do not need DB connector kit to install DB solar system.

Daikin Altherma R HT



Why choose a Daikin Altherma high temperature split?

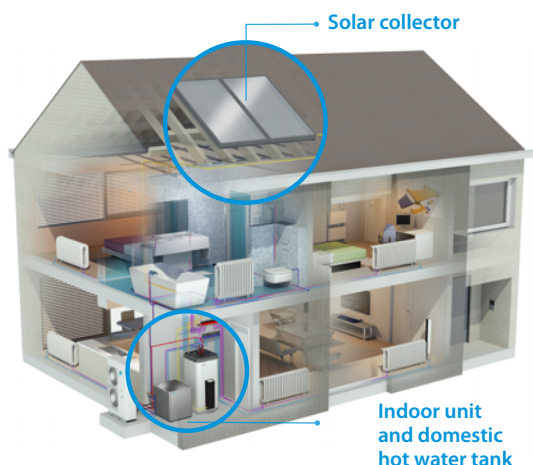
The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators.

✓ Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

- › Easy replacement: reuse existing piping/radiators
- › Reduced installation time
- › Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
- › No need to change existing radiators and piping as water temperatures can be increased up to 80 °C for heating and domestic hot water use



Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

- › Available in 200 or 250 litres
- › Efficient temperature heating: from 10 °C – 50 °C in only 60 minutes*

*Test completed with a 16 kW outdoor unit at ambient temperature of 7 °C for a 200 litre tank.



ECH₂O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.



✓ Energy efficiency

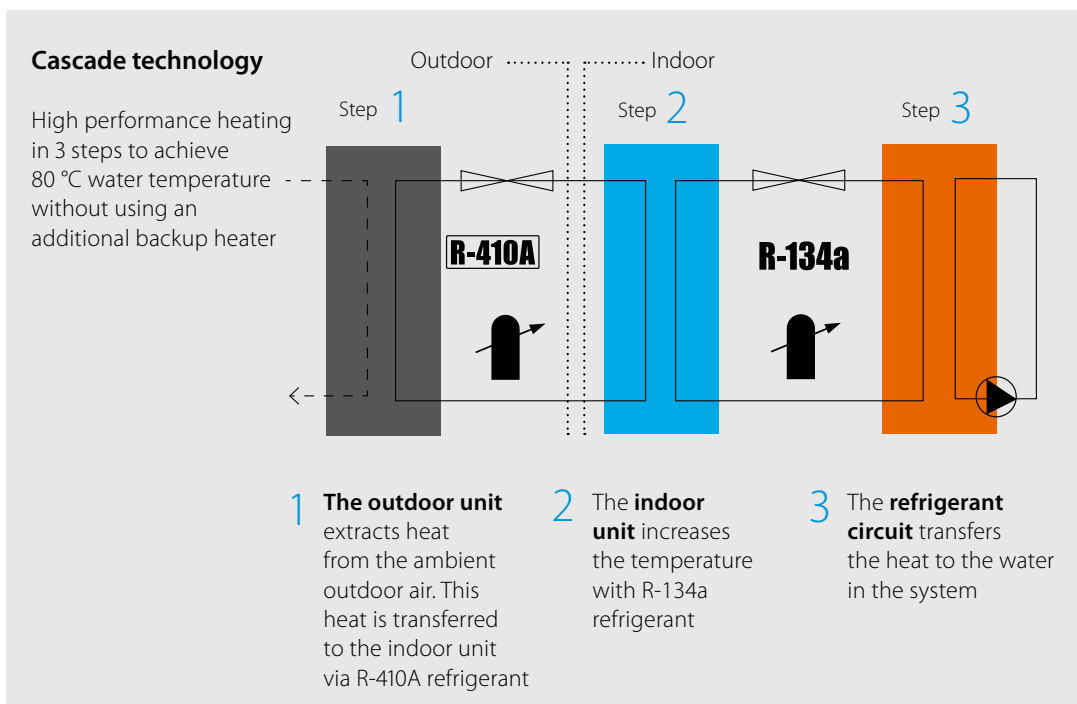
Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

✓ Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

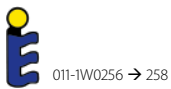
- › 11-15 kW capacities
- › Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
- › Works with existing high temperature radiators up to 80 °C without an additional backup heater



Daikin Altherma R HT

Floor standing **heating only** air to water heat pump combinable **with existing radiators**

- › Energy efficient heating only system based on air to water heat pump technology
- › Single phase floor standing indoor unit up to 16kW
- › Three phase floor standing indoor unit up to 16kW
- › High temperature application: up to 80 °C without electric heater
- › Easy replacement of existing boiler, without changing heating pipes
- › Combinable with high temperature radiators
- › Low energy bills and low CO₂ emissions
- › Inverter controlled scroll compressor



More details and final information can be found by scanning or clicking the QR codes.

A⁺

80 °C

R-410A

EKHDRD-ADV17

EKHDRD-ADY17

ERRQ-AV1

ERRQ-AY1

ERSQ-AV1

ERSQ-AY1









Efficiency data		EKHBRD + ERRQ/ERSQ		011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17 + ERRQ014AV1	014ADV17 + ERSQ014AV1	016ADV17 + ER(R/S) Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S) Q016AY1
Heating capacity	Nom.	kW		11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	kW		3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
	Nom.	kW		2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)	2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)
COP				2.96		2.98		3.01	2.96		2.98		3.01
	Average climate water outlet 55 °C	General	SCOP ηs (Seasonal space heating efficiency) Seasonal space heating eff. class	115		116		117	115		116		117
Space heating	Average climate water outlet 35 °C	General	SCOP ηs (Seasonal space heating efficiency) Seasonal space heating eff. class	105		110		112	105		110		112
				C		B		C		B		B	

Indoor Unit		EKHBRD		011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour	Metallic grey							
	Material	Precoated sheet metal							
Dimensions	Unit	Height x Width x Depth		mm					
Weight	Unit			kg					
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
Refrigerant	Type	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Sound pressure level	Nom.	dBA		43.0(4)/46.0(5)	45.0(4)/46.0 (5)	46.0(4)/46.0(5)	43.0(4)/46.0(5)	45.0(4)/46.0(5)	46.0(4)/46.0(5)
	Night quiet mode Level 1	dBA		40.0(4)	43.0(4)	45.0(4)	40.0(4)	43.0(4)	45.0(4)

Outdoor Unit		ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ-014AV1	ERRQ/ERSQ 016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ-014AY1	ERSQ-014AY1	ERRQ/ERSQ 016AY1	
Dimensions	Unit	mm										
Weight	Unit	kg										
Compressor	Quantity	1										
	Type	Hermetically sealed scroll compressor										
Operation range	Heating	Min.~Max.		°CWB								
	Domestic hot water	Min.~Max.		°CDB								
Refrigerant	Type	R-410A										
	GWP	2,087.5										
	Charge	kg		4.5								
	Charge	TCO ₂ Eq		9.4								
Sound power level	Heating	Nom.		dBA								
	Heating	Nom.		dBA								
Power supply	Name/Phase/Frequency/Voltage	Hz/V					Hz/V					
Current	Recommended fuses	A		25				16				

(1)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (2)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (3)EW 30 °C; LW 35 °C; Dt 5 °C; ambient conditions: 7 °CDB/6 °CWB | (4)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions 7 °CDB/6 °CWB | Contains fluorinated greenhouse gases.

Options

	Type	Material name
Controllers	 Remote user interface	EKRUAHTB
	 Room thermostat (wired)	EKRTWA
	 Room thermostat (wireless)	EKRTR1
	 Centralised controller kit	EKCC-W
	 DCOM gateway	DCOM-LT/IO
Adapter	 DCOM gateway	DCOM-LT/MB
	 Demand PCB	EKR1AHTA
	 Digital I/O PCB	EKR1HBAA
Back-up heater	Back-up heater for HT 1~	EKBUHAA6V3
	Back-up heater for HT 3~	EKBUHAA6W1
	Bottom plate heater	EKBPHTH16A
Installation	UK tank kit	EKUHWHTA
	Stand alone kit	EKFMAHTB
Sensor	External sensor	EKRTETS
Valve	Refrigerant stop valves	EKRSVHTA
Others	Compatibility kit 1	EKMKHT1A
	Compatibility kit 2	EKMKHT2A



Daikin Altherma M HW 2nd GEN

New generation of domestic
water heat pumps



Flexibility first

Daikin Altherma M HW is the brand new range of heat pump water heaters with storage tank to generate domestic hot water, suitable for small residential applications.

It's a smart heating solution for domestic water that employs electricity, air and if needed solar thermal and photovoltaic energy without resorting to traditional fuels. Efficiency, an eco-friendly approach, flexibility and a new look are Daikin Altherma M HW's distinctive features, for which it stands out compared to a traditional electrical water heater.



		Capacity (L)	Heat Output (W)	Power input (W)	Solar Thermal Integration	GAS type	ERP class	Load profile	No. of people	
EKHHE-CV3	Floor-standing Operation (-7/43°C)	200	192	1,820	430	NO	R-134a	A ⁺	L	3
		260	250	1,820	430	NO	R-134a	A ⁺	XL	4
EKHHE-PCV3	Floor-standing Operation (-7/43°C)	200	192	1,820	430	YES	R-134a	A ⁺	L	3
		260	250	1,820	430	YES	R-134a	A ⁺	XL	4
EKHLE-CV3	Floor-standing Operation (4/43°C)	200	187	1,600	370	NO	R-134a	A ⁺	L	3
		260	247	1,600	370	NO	R-134a	A ⁺	XL	4

Features

Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in a enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- › Maximum temperature of 62°C from renewable energy with heat pump alone or through a Heating Element (up to 75°C)
- › Programmable digital interface with TOUCH keys
- › Integration through Solar Thermal energy (LT-S model) or through a Heating Element (up to 75°C) on all models
- › Integration with Photovoltaic Solar system

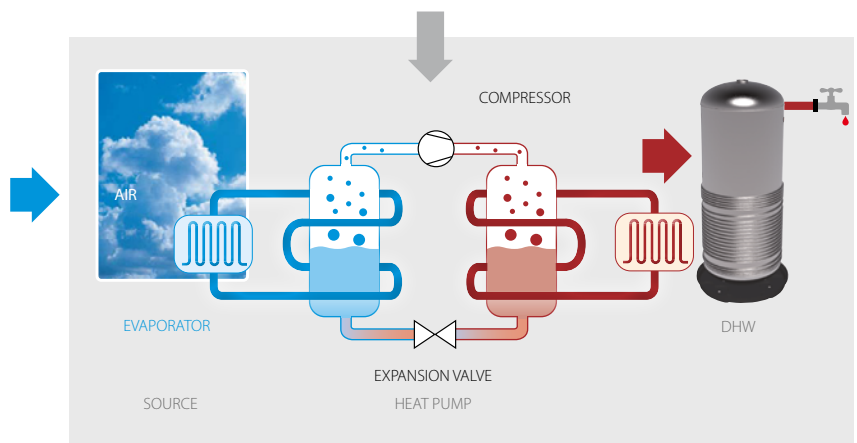


			Optimisation from Photovoltaic	Integrated Solar Thermal Control	Legionella Control Sanitisation	Time slot-based operation	OFF PEAK feature	Defrosting on	Holiday Mode
EKHHE-CV3	Floor-standing	200	•	-	•	•	•	•	•
		260	•	-	•	•	•	•	•
EKHHE-PCV3	Floor-standing	200	•	•	•	•	•	•	•
		260	•	•	•	•	•	•	•
EKHLE-CV3	Floor-standing	200	•	-	•	•	•	-	•
		260	•	-	•	•	•	-	•

The incentives...

when saving is a must

Daikin Altherma M HW makes the most of all the features and technology of air-water heat pumps to produce domestic hot water. Only 25% of the system's energy demand comes from electricity.



Installation

Where would you like me to put it?

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.



Some installation methods

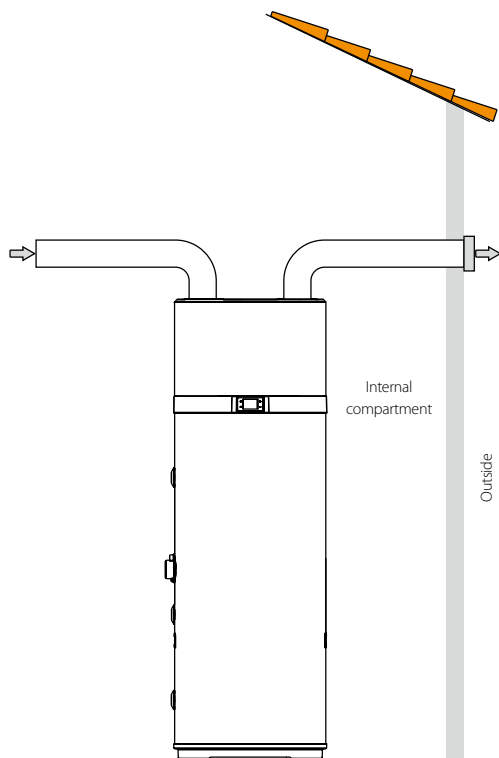


Fig. 1 - Example of air discharge connection

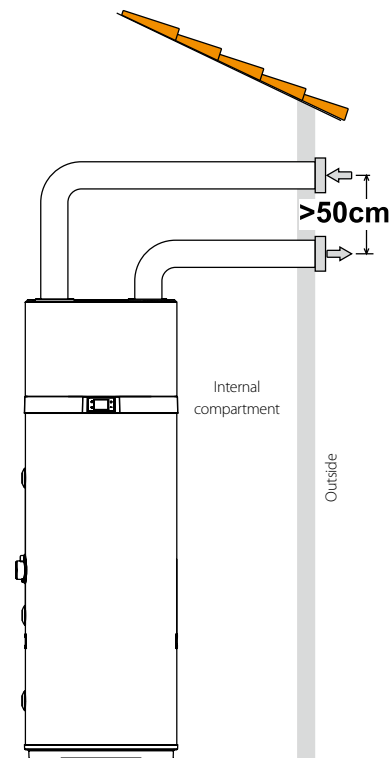


Fig. 2 - Example of air discharge connection

The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed. An alternative solution is provided in the picture below (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

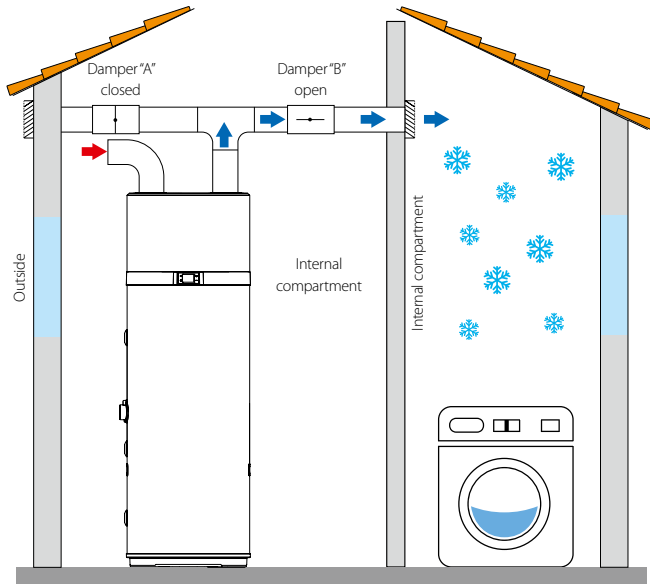


Fig. 3 - Example of installation in summer

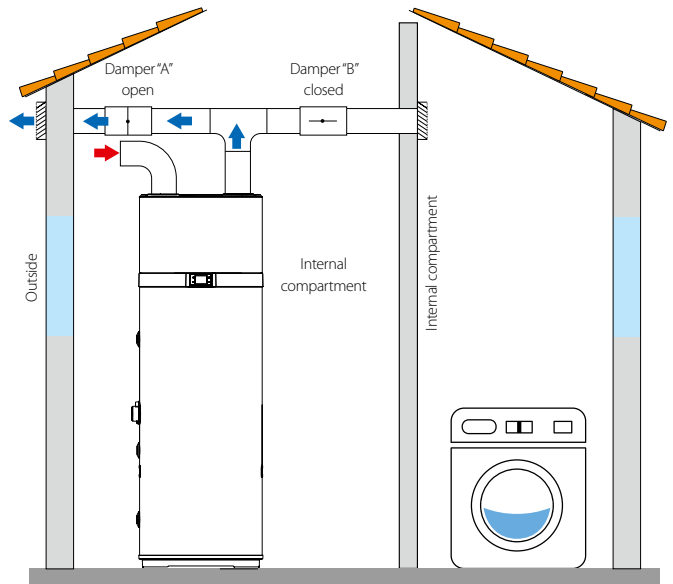


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).

Daikin Altherma M HW in a nutshell



Optimisation from Photovoltaic

When the icon on the display is on, the energy produced by the photovoltaic system is used to heat the water inside the tank.



Time slot-based operation

It lets you set the time and select the time slots to turn the heat pump on and/or off.



Anti-legionella sanitising

If this is turned on every two weeks, a heating/sanitising cycle of the water inside the tank is carried out at the set time by the heating element.



OFF-PEAK feature

When this icon on the display is on, the OFF-PEAK mode has been activated. When the electrical contact closes, the appliance operates during the time slot with the lower tariff.



Integrated Thermal Solar Control

When this icon on the display is on, the energy produced by the solar system is used to heat the water inside the tank (LT-S models).



Key lock on

The key lock is activated in any status, 60 seconds after any of the four keys on the user interface is pressed. This is to avoid potential interaction with the water heater, for example by children.



Defrosting on

Mode during which the Unit detects a defrosting temperature $\leq 1^{\circ}\text{C}$ and activates all the procedures to turn on the compressor, fan and pump in order to restore optimal operating conditions.



Holiday Mode

This mode is helpful when you need to go away for a limited period of time, after which you want to find the appliance operating in automatic mode.



Alarm

Signals a fault of the unit or the "active protection" status, during which the Unit stops as a protective measure after detecting a serious failure.



Operation with Heat Pump

With this mode, only the heat pump is used within the operating limits of the product to guarantee the highest possible energy savings.



Operation with heating element

With this mode, only the heating element is used within the operating limits of the product and is useful when the incoming air is cold.



Antifreeze protection

This protection prevents the water temperature inside the tank from reaching values close to zero. With the appliance in stand-by, when the water temperature inside the tank is below or equal to 5°C (setting available on the installer menu), this triggers the antifreeze protection, which turns on the heating element until the temperature reaches 12°C (setting available on the installer menu).



ON/OFF key

Used to turn the Unit on/off, set it to stand-by, activate the key lock and save edited settings.



SET key

Used to select the various features/operating modes, select the settings and confirm the edits.

The electronics, it couldn't be easier!






Daikin Altherma M HW's user interface has a very simple and intuitive display

- › White backlit LEDs to control temperature and features
- › **Red** backlit LEDs for alarm warnings
- › The 4 side TOUCH keys turn Daikin Altherma M HW on/off (⏻); keys to browse through the MENU (SET) and increase (+) or decrease (-) settings















Operating modes

To meet the widest range of needs, Daikin Altherma M HW has 5 different operating modes:

		Renewable energy only
Eco mode		Daikin Altherma M HW only works in heat pump mode. The additional heater turns on as a support only if the outdoor temperature is outside the operating range (setpoint 62°C).
		Renewable energy as the preferred option
Auto mode		Daikin Altherma M HW works in heat pump mode by default. The additional heater turns on as a support only if the tank temperature increase is too slow (>4°C/30 min.) Or the outdoor temperature is outside the operating range (setpoint 62°C).
		Combined use of renewable and electrical energy
Boost mode	 Flashing	Daikin Altherma M HW simultaneously operates as a heat pump and with the additional heater. Setpoint can be up to 75°C.
		Electrical energy only
Electric mode		Daikin Altherma M HW only works with the additional heater. Set point can be up to 75°C.
		Air recirculation only
Fan mode		Daikin Altherma M HW only works in ventilation mode. The heat pump and additional heater are off.



- | | | | |
|---|--------------------|---|---------------------------|
|  | Alarm |  | Key lock |
|  | Heat pump |  | Time slots |
|  | Heating element on |  | Photovoltaic |
|  | Defrost |  | Thermal solar / hot water |
|  | Antifreezing |  | Holiday |
|  | Legionella control |  | Off-peak |

Daikin Altherma M HW Second Generation

- › Available in wall mounted (200-260 L)
- › Compact modern design
- › Anti-legionella cycle
- › Scheduled operation
- › Integrated solar thermal control (EKHHE-PCV3)
- › Suitable for warm climate (EKHLE-CV3)



More details and final information can be found by scanning or clicking the QR codes.



EKHHE-CV3



EKHLE-CV3



EKHHE-PCV3

Indoor unit			EK	HHE200CV3	HHE260CV3	HHE200PCV3	HHE260PCV3	HLE200CV3	HLE260CV3			
Heat up time	Max.	hh:mm	08:17 / 06:01	10:14 / 07:39	08:17 / 06:01	10:14 / 07:39	07:16 / 09:01	09:44 / 11:38				
COP			3.23 / 3.49	3.38 / 3.59	3.23 / 3.49	3.38 / 3.59	2.8 / 2.5	3.1 / 2.6				
Domestic hot water	Output	Nom	1.82				1.60					
Equivalent hot water	Max	l	192	250	187	247	192	250				
Dimensions	Unit	Height	1,607	1,892	1,607	1,892	1,607	1,892				
		Diameter	Top: 621, Bottom: 628									
Weight	Unit	Empty	kg	85	97	96	106	86	98			
Installation place	Indoor											
IP class	IP24											
Refrigerant	Type	R-134a										
	GWP	1,430										
	Charge	TCO ₂ Eq	1.43									
Heat pump	Charge	kg	1									
	Casing	Colour	White									
	Defrost method	Hot-gas										
	Automatic defrost start	°C	-2									
	System pressure	Max.	bar	7								
	Operation range	Ambient	Min.	-7								
			Max.	43								
Power supply	Phase	1										
	Frequency	Hz	50									
	Voltage	V	230									
	Maximum running current	A	2.43						2.3			
Tank	Integrated heating element power	Nom.	kW									
			1.5									
	Casing	Material	Enamel steel tank									
	Installation	Solar thermal connection possible	-	-	Yes	Yes	-	-				
	Standing heat loss	W	63	71	63	71	60	70				
	Power supply	Phase	1									
		Frequency	Hz	50								
		Voltage	V	230								
	Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL			
			Water heating energy efficiency class	A+								
Thermostat temperature setting			°C									
Average climate		AEC (Annual electricity consumption)	kWh	758	1,203	758	1,203	883	1,315			
		η _{wh} (water heating efficiency)	%	135	139	135	139	116	127			
Cold climate		AEC (Annual electricity consumption)	kWh	979	1,672	979	1,672	883	1,315			
	Warm climate	AEC (Annual electricity consumption)	kWh	698	1,132	698	1,132	883	1,315			
Sound power level	Domestic hot water heating	dB(A)	50						52			

Daikin Altherma M HW



Why choose a monobloc domestic hot water heat pump?

The high performance monobloc domestic hot water heat pump is a recent addition to the Daikin water heater range. Enhanced hot water comfort with quiet operation, easy handling, flexibility of installation and different integration possibilities. Perfect for renovation and new build.

✓ High performance

- › Delivering high comfort hot water of temperatures up to 55 °C with the heat pump only
- › Among the most quiet with 53 dBA sound power and 36 dBA at 2 meters
- › High tapping rate L, XL for guaranteeing maximum domestic hot water flow
- › A+ seasonal energy efficiency

✓ Easy to install and control

- › All components are built-in and ready to work
- › Compact sizes and low weight, which make it easily manoeuvrable through small doors and spaces
- › Easy connection, from top of the unit, maximizes placing possibilities
- › 3 easy operating modes, Eco – Auto – Boost, for your personal preferences

✓ Renewable power

- › Produces domestic hot water by extracting energy from the outside air
- › For the 260 liter an extra coil possibility exists for solar water heating
- › The monobloc can be standard connected to a PV installation severely minimizing running costs

✓ Year-round reliability

- › Total thermal power up to 3.4 kW ensures optimal hot water comfort
- › Wide operation range: down to -7 °C outside temperature with the heat pump unit, and below -7 °C with electrical heating element support
- › Guaranteed optimal comfort by heat pump up to 38 °C outside temperature



Daikin Altherma M HW

Enhanced hot water comfort

- › Quiet operation: with 36 dBA at 2 m, one of the most silent products in its kind
- › Easy handling: thanks to its compact size, it can easily pass through the doorway
- › Enhanced comfort: the 3 operating modes will give an answer to all your needs
- › Solar connectivity: empower your house with renewable energy
- › Wide operation range: down to -7 °C outside temperature with the heat pump, below -7 °C electrical heating element support



EKHH2E-AV3



011-1W0215 → 217



A+

56 °C*

70 °C**

* max ECO cycle
** max Automatic cycle

EKHH2E-AV3



EKHH2E-PAV3

More details and final information can be found by scanning or clicking the QR codes.

Indoor unit		EKHH2E		2E200AV3(3)		2E260AV3(3)		2E260PAV3(3)		
Heat up time	Max.	hh:mm		08:17:00 (3) / 06:30:44 (4)		10:14:00 (3) / 07:56:46 (4)		10:14:00 (3) / 07:46:46 (4)		
COP				2.94 (1) / 3.30 (2)		3.10 (1) / 3.60 (2)				
Domestic hot water	Output	Nom	kW			1.8				
Equivalent hot water	Max		L	275		342				
Dimensions	Unit	Height	mm	1,714		2,004				
		Diameter	mm			650				
Weight	Unit	Empty	kg	83		95		112		
		Full	kg	282		349		358		
		Packed unit	kg	100		120		140		
Installation place					Indoor					
IP class					IP-X4					
Compressor	Type					Rotary non-inverter				
Refrigerant	Type					R-134a				
	GWP					1,430.0				
	Charge	TCO:Eq		1.287		0.900				
Heat pump	Casing	Colour				White body / Black top				
		Material				Cover: EPP top finishing				
	Defrost method					Active with hot gas valve				
	Automatic defrost start		°C	-2						
	System pressure	Max.		bar	7					
	Operation range	Ambient	Min.	°CDB	-7					
		Max.	°CDB	38						
Tank	Integrated heating element power	Nom.	kW	1.5						
	Casing	Colour				White				
Material						Embossed ABS				
Dimensions	Unit	Height	mm	1,210		1,500				
		Operation range	Water side	Min.	°C	10				
		Max.	°C	56						
Installation	Solar thermal connection possible					-		1		
Standing heat loss		W		60		70		71		
Domestic hot water heating	General	Declared load profile		L		XL				
		Water heating energy efficiency class				A+				
		Thermostat temperature setting		°C		55				
	Average climate	AEC (Annual electricity consumption)	kWh	835	1,323					
		η wh (water heating efficiency)	%	123	127		117			
	Cold climate	AEC (Annual electricity consumption)	kWh	1,091	1,826					
		η wh (water heating efficiency)	%	94	92					
	Warm climate	AEC (Annual electricity consumption)	kWh	756	1,296					
		η wh (water heating efficiency)	%	135	129					
	Sound power level	Domestic hot water heating	Indoor unit	dBA			53			
Heat pump	Power supply	Phase				1P				
		Frequency	Hz			50				
		Voltage	V			230				
		Maximum running current	A			2.4				
Tank	Power supply	Phase				1P				
		Frequency	Hz			50				
		Voltage	V			230				

(1) Temperature of incoming air supply = 7 °C, temperature of boiler storage environment = 20 °C, water heated from 10 °C to 55 °C (according to UNI EN 16147-2011). (2) Temperature of incoming air supply = 15 °C, temperature of boiler storage environment = 20 °C, water heated from 10 °C to 55 °C (according to UNI EN 16147-2011). (3) Indoor temperature : 29 °CDB, 19 °CWB; outdoor temperature : 46 °CDB, 24 °CWB.

(4) Indoor temperature : 27 °CDB, 19 °CWB; outdoor temperature : 35 °CDB, 24 °CWB.

This product contains fluorinated greenhouse gases.

Daikin Altherma R HW

Why choose a split domestic hot water heat pump?

The split domestic hot water heat pump is the ideal replacement for an electric domestic hot water tank to provide semi-instantaneous hot water.

✓ Comfort

Fresh water principle

- › Domestic hot water production on demand means fresh water at all times
- › Minimum volume of stored domestic hot water prevents the risk of contamination and sedimentation

Easy installation

- › No water tank pressure and limited pressure in the heat exchanger
- › Low maintenance: no anode means no scale and lime deposits or corrosion
- › Compact and designed with additional controllers for easy installation and maintenance

✓ Reliability

- › Electrical backup (2.5 kW) ensures hot water under all circumstances; the 500 L tank can also be equipped with an external hydraulic backup
- › The ECH₂O thermal store is engineered to provide you with fresh, healthy and safe hot water
- › By just using the heat pump, the temperature of the water can reach up to 55 °C and its production is guaranteed down to -15 °C outside temperature

✓ Energy efficiency

- › Heat pump extracts renewable energy from the outside air to produce hot water
- › Increase energy saving and efficiency by connecting the unit to solar panels



Polypropylene casing, resistant to corrosion and shocks
Stainless steel heat exchanger for hot water production

Polyurethane insulation of 5 cm to 8 cm

Daikin Altherma R HW

Hot water in an efficient way

- › Domestic hot water is heated almost immediately
- › Combine it with solar heating for even better energy efficiency
- › Easy installation: no water tank pressure and only limited pressure in the heat exchanger
- › Low maintenance: no anode means no scale and lime deposits or corrosion
- › Electrical back-up (2.5 kW) ensures hot water under all circumstances. The 500 L tank can also be equipped with an external hydraulic back-up








More details and final information can be found by scanning or clicking the QR codes.



EKHHP-A2V3



ERWQ-AV3

Efficiency data		EKHHP + ERWQ		300A2V3 + 02AV3		500A2V3 + 02AV3		
Domestic hot water heating	General	Declared load profile		L		XL		
	Average climate	η _{wh} (water heating efficiency)		119		124		
		Water heating energy efficiency class				A+		
COP						4.30 (1)		
Indoor Unit		EKHHP		300A2V3		500A2V3		
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)				
Dimensions	Unit	Height x Width x Depth		mm		1,772 x 595 x 615		
Weight	Unit			kg		70		
Tank	Water volume		L		294		477	
	Maximum water temperature		°C				85	
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB		2~35		
		Water side	Min.~Max.	°C		5~55		
Refrigerant	Type						R-410A	
Outdoor Unit		ERWQ		02AV3		02AV3		
Dimensions	Unit	Height x Width x Depth		mm		550 x 765 x 285		
Weight	Unit			kg		35		
Compressor	Quantity						1	
	Type						Hermetically sealed swing compressor	
Operation range	Domestic hot water	Min.~Max.		°CDB		-15~35		
Refrigerant	Type						R-410A	
	GWP						2,087.5	
	Charge		kg				1.05	
	Charge		TCO:Eq				2.2	
Sound pressure level	Heating		Nom.		dBA		47	
	Cooling		Nom.		dBA		47	
Power supply	Name/Phase/Frequency/Voltage						V3/1~/50/230	

(1) At 7 °C ambient temperature (2) Contains fluorinated greenhouse gases.



Daikin Altherma R Flex Type HT HW

Why choose a Daikin Altherma HT Flex Type?

Daikin Altherma HT Flex Type is ideal for large requirements of domestic hot water like apartment buildings or commercial spaces.

✓ Comfort

Domestic hot water

- › Equipped with air-to-water heat pump technology
- › Best system to meet high demands for hot water
- › Using renewable energy from the heat pump, the system can heat the hot water tank up to 75 °C without using an electric heater

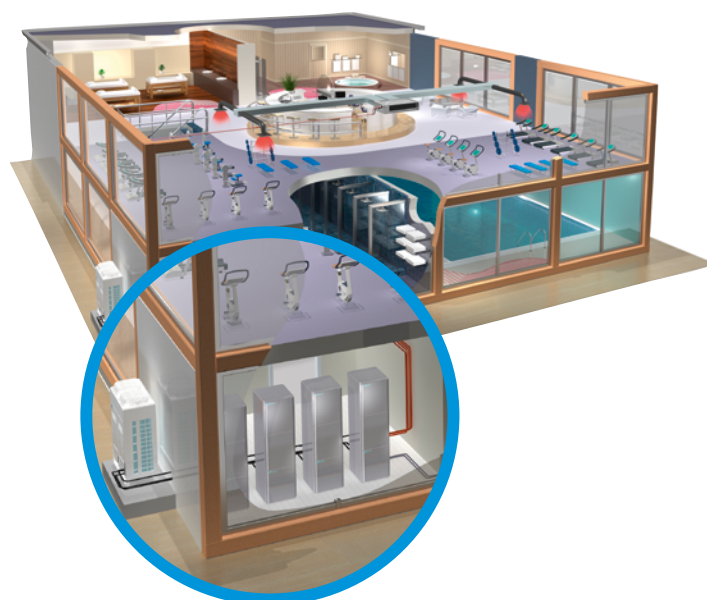
✓ Energy efficiency

- › High energy efficiency achieves high sustainability and low operation costs
- › Inverter compressor continuously adjusts the compressor speed to meet actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures

✓ Reliability

Modular system

One or more outdoor units can be connected to several indoor units (maximum 10 indoor units per outdoor unit)



Daikin Altherma R Flex Type HT HW

- › Low energy bills and low CO₂ emissions
- › Easy installation and maintenance
- › Customised to meet your building's needs:
up to 10 indoor units can be connected to 1 outdoor unit



More details and final information can be found by scanning or clicking the QR codes.



Outdoor Unit				EMRQ	8AB	10AB	12AB	14AB	16AB	
Heating capacity	Nom.			kW	22.4 (1)	28 (1)	33.6 (1)	39.2 (1)	44.8 (1)	
Seasonal efficiency	Domestic hot water heating	General Average climate	Declared load profile	η _{wh} (water heating efficiency) %	XL					
					Water heating energy efficiency class	93		83.7	93	
				A						
Casing	Colour	Daikin White								
	Material	Painted galvanized steel plate								
Dimensions	Unit	Height x Width x Depth		mm	1,680 x 1,300 x 765					
Weight	Unit			kg	331		339			
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35					
Refrigerant	Type	R-410A								
	GWP	2,087.5								
	Charge			kg	10.3	10.6	10.8	11.1		
Piping connections	Liquid	OD			mm	9.52		12.7		
		Suction			mm	19.1		28.6		
	High and low pressure gas	OD			mm	15.9		19.1		
		Piping length	OU - IU	Max.	m	100				
	System		Equivalent	m	120					
	System		Actual	m	300					
	Sound power level	Heating	Nom.			dBA	78		80	83
Sound pressure level	Heating	Nom.			dBA	58		60	62	63
Power supply	Phase/Voltage				V	3~/380-415				
Current	Recommended fuses				A	20		25		40

(1) Condition: Ta=7 °CDB/6 °CWB, 100% connection ratio
 (2) Contains fluorinated greenhouse gases

Indoor Unit				EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour	Metallic grey								
	Material	Precoated sheet metal								
Dimensions	Unit	Height x Width x Depth		mm	705 x 600 x 695					
Weight	Unit			kg	144		147			
Operation range	Heating	Ambient	Min.~Max.	°C	-20.0 / 0.00 ~20					
		Water side	Min.~Max.	°C	25~80.0					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20.0 ~35.0					
Refrigerant	Type			°C	25~80					
		Charge			kg	R-134a				
	Charge			TCO:Eq	2.60					
Sound pressure level	Nom.			dBA	43.0(4)/46.0(5)	45.0(4)/46.0(5)	46.0(4)/46.0(5)	43.0(4)/46.0(5)	45.0(4)/46.0(5)	46.0(4)/46.0(5)
	Night quiet mode	Level 1			dBA	40.0(4)	43.0(4)	45.0(4)	40.0(4)	43.0(4)

(4)EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7°CDB/6°CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7°CDB/6°CWB | This product contains fluorinated greenhouse gases.

Options

Type	Material name	EMRQ-AB
Drain	Central drain pan kit	KWC25C450
Refnet	Refnet header	KHRQ(M)22M29H8
	Refnet header	KHRQ(M)22M64H8
	Refnet joint	KHRQ(M)22M20T8
	Refnet joint	KHRQ(M)22M29T8
	Refnet joint	KHRQ(M)22M64T8



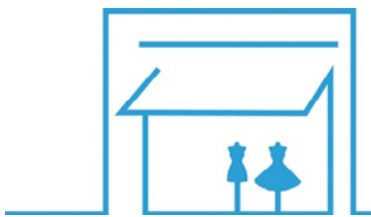
Daikin Altherma R Flex Type

With the expanded Daikin Altherma high capacity range we now offer the ideal solutions for all high demanding systems. Ideal for collective housing, hotels, swimming pools which require high comfort and high reliability.

Why choose a Daikin Altherma R Flex Type?

✓ Strong and reliable

- › Equipped with air-to-water heat pump technology to extract the outdoor air for energy
- › COP possible up to 3.07/A+ at Ta DB/WB 7/6°C - LWC 45°C
- › Reversible, enhanced cooling capacity
- › External control possible



✓ Collective/commercial advantage

- › Cascade heating capacity up to 62,7 kW
- › Cascade cooling up to 63,3 kW
- › VRV technology ensures high efficiencies and reliable working
- › Compact model for easy installation and fit for smaller spaces



Daikin Altherma R Flex Type

- › Hydronic module for indoor installation eliminating the need for glycol
- › Ideal for colder climates as the lack of glycol will allow for high efficiency
- › Compact dimensions and limited pipework allow for installation in very restricted spaces
- › Easy transportation as separate units will fit in an elevator



up to **A++** **50 °C** **R-410A**

More details and final information can be found by scanning or clicking the QR codes.



Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21.2 (1)	31.8 (1)	42.3 (1)	63.3 (1)
Heating capacity	Nom.			kW	20.8 (2)	31.2 (2)	41.7 (2)	62.7 (2)
Power input	Cooling	Nom.		kW	7.47 (1)	12.7 (1)	15.1 (1)	25.5 (1)
	Heating	Nom.		kW	6.76 (2)	10.6 (2)	13.7 (2)	21.4 (2)
EER					2.84	2.5	2.8	2.48
COP					3.07	2.93	3.03	2.93
Space heating	Average climate water outlet 35 °C	General	SCOP ηs (Seasonal space heating efficiency) Seasonal space heating eff. class	%	3.93	3.53	3.80	3.53
					154	138	149	138
					A++		A+	
Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height			mm			
		Width			mm			
		Depth			mm			
Weight	Unit			kg				
	Packed unit			kg				
Water side Heat exchanger	Type			Brazed plate				
	Water volume			L				
	Water flow rate	Cooling	Nom.			l/min		
Heating		Nom.			l/min			
Sound power level	Nom.			dBA				
Operation range	Cooling	Ambient	Min.~Max.			°CDB		
		Water side	Min.~Max.			°CDB		
	Heating	Ambient	Min.~Max.			°CDB		
		Water side	Min.~Max.			°CDB		
Refrigerant	Type / GWP			R-410A / 2,087.5				
	Circuits	Quantity		1		2		
	Control			Electronic expansion valve				
Water circuit	Piping connections diameter				1-1/4" (female)		2" (female)	
	Piping				1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.			kPa		
						kPa		
Total water volume					L			
Power supply	Phase/Frequency/Voltage				Hz/V			
					3N~/50/400			
Outdoor Unit					SERHQ020BAW1	SERHQ032BAW1		
Dimensions	Unit	Height			mm			
		Width			mm			
		Depth			mm			
Weight	Unit			kg				
	Packed unit			kg				
Compressor	Quantity			2				
	Type			Hermetically sealed scroll compressor				
Fan	Type			Axial				
	Quantity			1		2		
	Air flow rate	Cooling	Nom.			m³/min		
Heating		Nom.			m³/min			

(1) Cooling: entering evaporator water temp. 12 °C; leaving evaporator water temp. 7 °C; ambient air temp. 35 °C (2) Condition: Ta DB/WB 7 °C/6 °C - LWC 45 °C (Dt=5 °C) (3) Condition: Ta 35 °C - LWL 7 °C (DT = 5 °C) (4) Water can be used above 5 °C. Between 0 °C and 5 °C a 30% glycol solution (propylene or ethylene) has to be used. Between 0 °C and -10 °C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating setpoint is ≥ 45 °C (eg. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel. This product contains fluorinated greenhouse gases.

Daikin Altherma 3 GEO

Top performance even in coldest climate



The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.



Space heating

During winter



Space cooling

Active cooling with high efficiency



Domestic hot water production

Integrated 180 L stainless steel tank



Leaving water temperature up to 65 °C, so the unit can work with underfloor heating, heat pump convectors but also with radiators.



Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65 °C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 GEO is also combinable with fan coils and underfloor piping.

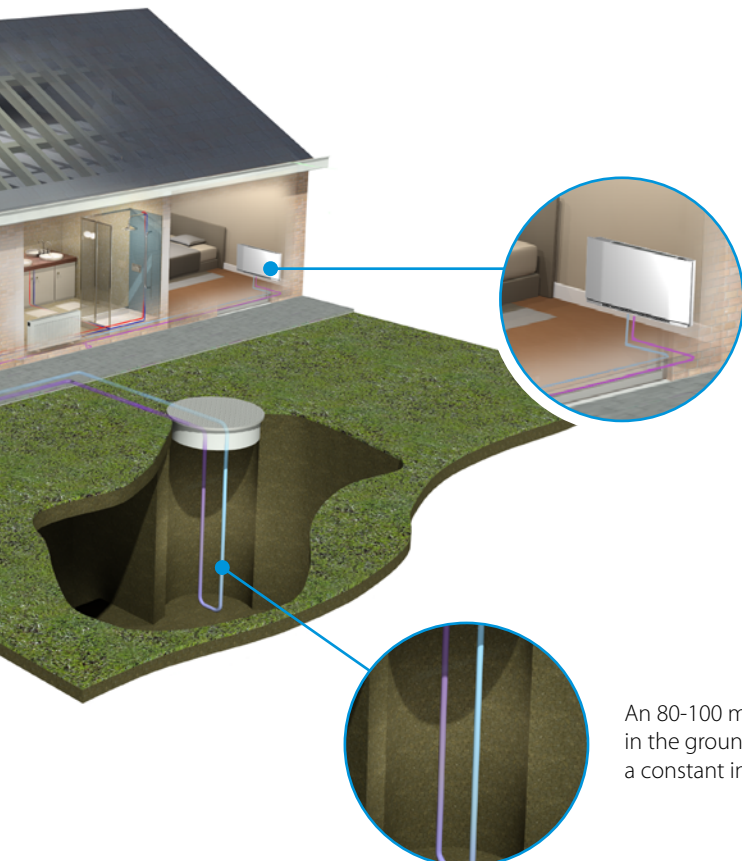
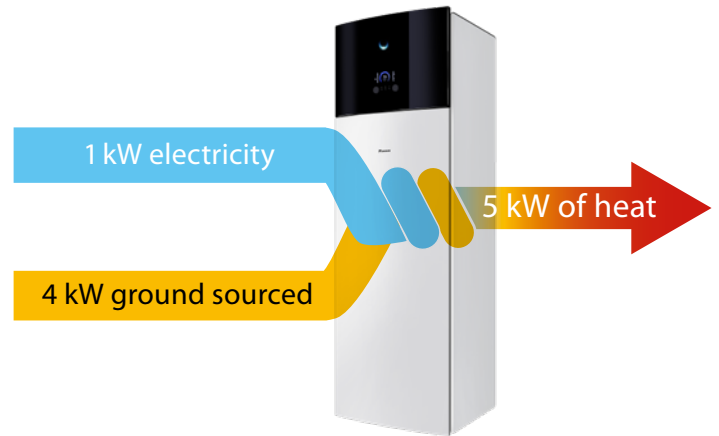
BLUEEVOLUTION

Bluevolution technology using R-32, environmentally friendly refrigerant with a lower GWP, reducing its CO₂ equivalent by 70% compared to its predecessor R-410A.



Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.



Daikin Altherma HPC provides heating or cooling for living rooms.

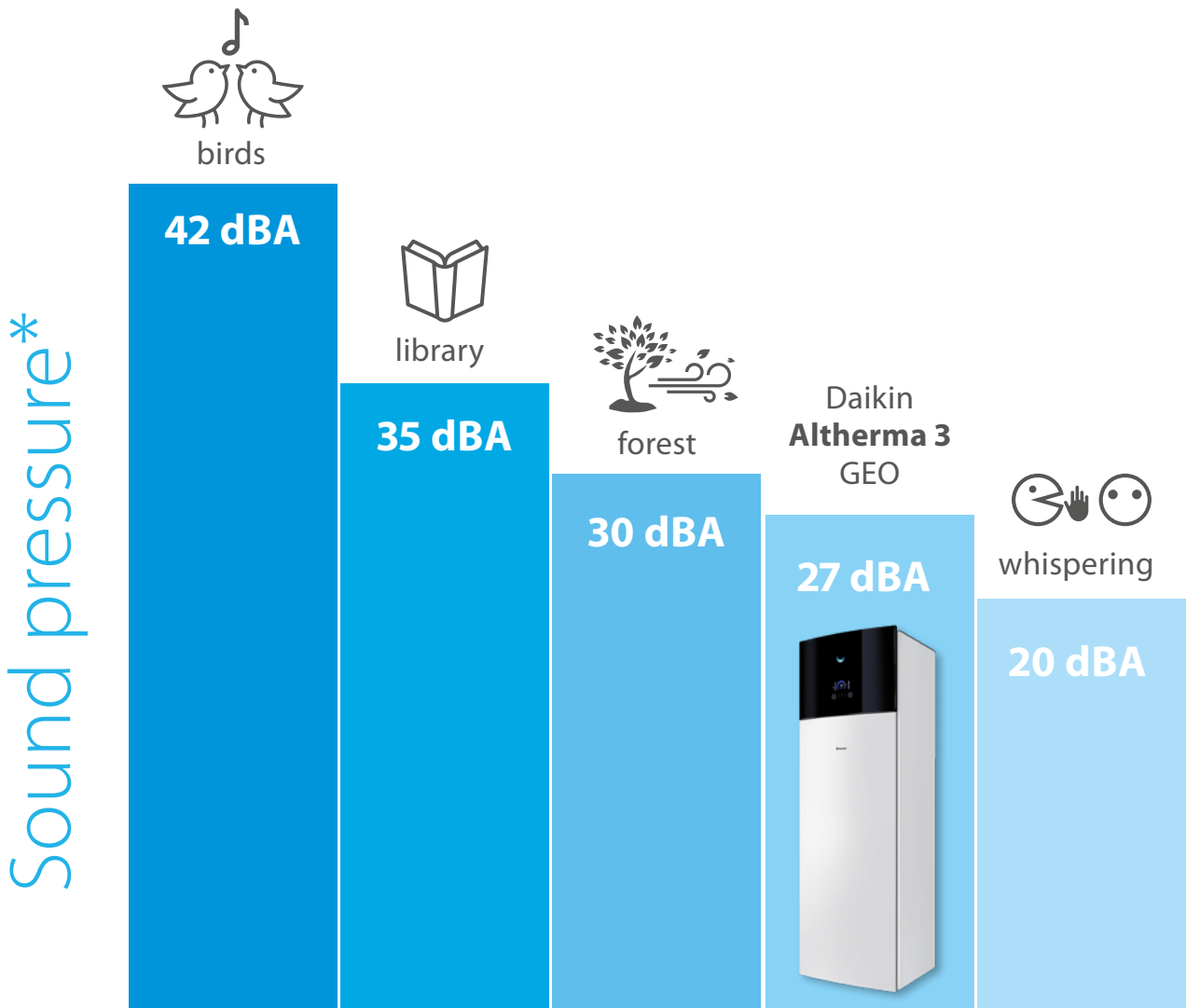
An 80-100 metre borehole in the ground creates a constant inlet temperature.

Care for peace of mind

The Daikin Altherma 3 GEO is designed to perform the best efficiencies in what matter the most: quietness and connectivity.



Extremely quiet operation



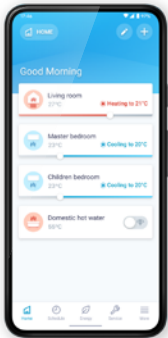
*at 1 meter.



Built-in connectivity

Control your home climate from any place, at any time

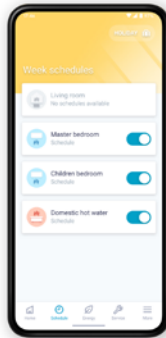
Onecta App



Monitor



Control



Schedule

Always in control.

Control your climate from any place, at any time.



Monitor the status of your heating system



Control the operation mode and set temperature



Schedule the set temperature and operation mode



Control your heating system with your voice

Madoka wired remote controller for Daikin Altherma

A new generation of user interface, redesigned and intuitive.

- ✓ Intuitive control with a premium design
- ✓ Three colors to match any interior design
- ✓ Easily set operation parameters



BRC1HHDW



BRC1HHDS



BRC1HHDK



Groundbreaking innovation

Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

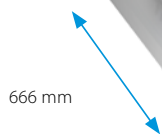
All pipe connections on top, paired in and out



Standard electrical connections pre-cabled



Can easily be installed in confined spaces thanks to a small footprint and integrated handles



Advanced user interface

The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



Blue

When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red

When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.



Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on a USB stick and download it directly into the unit.

Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The user interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.



1,891 mm

597 mm

Removable compressor module, reducing the overall weight by 70 kg



Daikin Altherma 3 GEO

Ground source heat pump for heating, cooling & hot water

- › Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs
- › Delivering temperatures up to 65 °C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators
- › Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time
- › The unit has a similar footprint when compared to other household appliances
- › Reversible heat pump, allowing heating and cooling



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit		EGSA	H06D9W	X06D9W(G)	H10D9W	X10D9W(G)		
Heating capacity	Min.	kW		0.85				
	Nom.	kW		3.35		5.49		
	Max.	kW		7.98		9.55		
Power input	Nom.	kW		0.74		1.17		
COP				4.51		4.70		
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	141	143	152	154
			Seasonal space heating eff. class			A++		A+++
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	195	199	197	200
Domestic hot water heating	General	Declared load profile			A+++			
		Average climate	ηwh (water heating efficiency)	%		117		
			Water heating energy efficiency class			A+		
Space cooling	Medium temperature application	General	SEER		-	15	-	15
			Pdesign	kW	-	8	-	8
	Low temperature application	General	SEER		-	14	-	14
			Pdesign	kW	-	8	-	8
Casing	Colour		White or Silver-grey					
	Material		Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth	mm					
Weight	Unit		kg					
Tank	Water volume		l					
	Insulation	Heat loss	kWh/24h					
	Corrosion protection		Pickling					
			1.2					
Operation range	Installation space		Min.~Max.	°C				
	Brine side		Min.~Max.	°C				
	Heating	Water side	Min.~Max.	°C				
	Domestic hot water	Water side	Min.~Max.	°C				
				25 / 60				
Refrigerant	Type		R-32					
	GWP		675					
	Charge		kg					
			1.70					
Sound power level	Nom.		dBA			41.0		
	Sound pressure level at 1 meter		Nom.			dBA	29.0	
Power supply	Name/Phase/Frequency/Voltage		Hz/V					
Current	Recommended fuses		A					

Options

Type	Material name	
Controls	Remote user interface	BRC1HHDAA/S/W
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
	Cascade control	EKCC8-W
	Gateway	DCOM-LT/IO
Adapter	Demand PCB	DCOM-LT/MB
	Digital I/O PCB	EKRP1AHTA
Sensor	Remote indoor sensor	EKRP1HBAA
	External sensor	KRCS01-1
	Reduce power limitation sensor	EKRTETS
Others	PC cable	EKCSSENS
	Ground source filling kit	EKPCAB4
	Hydromodule replacement	KGSFILL2
	Separate power supply BUH	EKGSHYDMOD
	Magnetic filter Fernox	EKGSPWCAB
	Magnetic filter Fernox	K.FERNOXTF1

Daikin Altherma GEO

Ground source heat pump for heating & hot water

- › Ground source heat pump technology uses stable geothermal energy, unaffected by the outside temperature
- › Highest seasonal efficiency thanks to our inverter heat pump technology
- › Quick and easy installation thanks to factory-fitted piping on top of the unit and reduced overall weight
- › Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- › User interface with thermostat function for higher comfort, quick commissioning, easy servicing and energy management to control energy consumption and costs



Up to



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit		EGSQH		10S18A9W	
Heating capacity	Min.	kW		3.11 (1) / 2.47 (2)	
	Nom.	kW		10.30 (1) / 9.20 (2)	
	Max.	kW		13.00 (1) / 11.90 (2)	
Power input	Nom.	kW		2.38 (1) / 2.89 (2)	
COP				4.33 (1) / 3.18 (2)	
Casing	Colour			White	
	Material			Precoated sheet metal	
Dimensions	Unit	Height/Width/Depth	mm	1,730/600/728	
Weight	Unit			210	
Tank	Water volume			180	
	Insulation	Heat loss	kWh/24h	1.36	
	Corrosion protection				Anode
Refrigerant	Type			R-410A	
	Charge	kg		1.80	
			TCO ₂ eq	3.76	
	Control				Electronic expansion valve
Sound power level	Nom.	dBA		2,087.5	
	Nom.	dBA		46	
Sound pressure level	Nom.	dBA		32 (3)	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		9W/3~/50/400	
Current	Recommended fuses	A		25	
Domestic hot water heating	General	Declared load profile		L	
	Average climate	η_{wh} (water heating efficiency)	%	93.1	
			Water heating energy efficiency class	A	
Space heating	Average climate water outlet 55°C	General	η_s (Seasonal space heating efficiency)	%	
				139	
			Seasonal space heating eff. class	A++	
	Average climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	
			194		
		Seasonal space heating eff. class	A+++		

(1) EWB/LWB 0°C/-3°C - LWC 35°C (DT=5°C) (2) EWB/LWB 0°C/-3°C - LWC 45°C (DT=5°C) (3) The sound pressure level is measured via a microphone at a 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment.

Daikin Altherma

Hybrid heat pump



Why choose a Daikin Altherma Hybrid heat pump?

The Daikin Altherma Hybrid heat pump is the ideal solution to replace your old gas boiler.

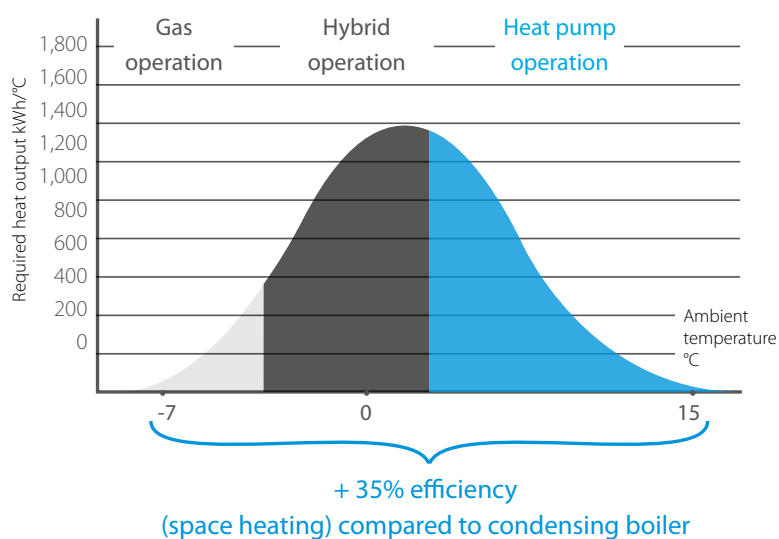
Comfort

Heating

A Daikin Altherma Hybrid heat pump automatically determines the most economic and energy efficient heating combination.

- › **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures
- › **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer
- › **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

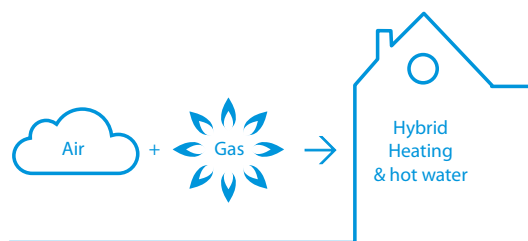
Illustration of an average European climate



- › Heat load: 14 kW
- › 70% heat pump output
- › 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time

Required heat output = heat load x n° of occurring hours per year



Heat pump outdoor unit

Heat pump indoor unit

Hot water

The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers.

Cooling

Incorporate cooling for a total solution that integrates seamlessly with underfloor heating or radiators.

Quick and easy installation

As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install.

Investment benefits

- › Combines with existing radiators; reducing the cost and disruption of installations
- › Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
- › Possible to connect to photovoltaic solar panels to optimise self-consumption of the electricity produced



✓ Energy efficiency

The ideal combination

Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma Hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

Supported by renewable energy

When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

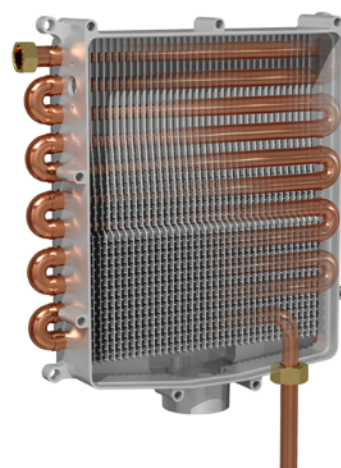
Hot water produced with gas condensing technology

Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers.

- › Cold tap water flows directly into the heat exchanger
- › Optimal and continuous condensing of the flue gases during domestic hot water preparation

✓ Reliability

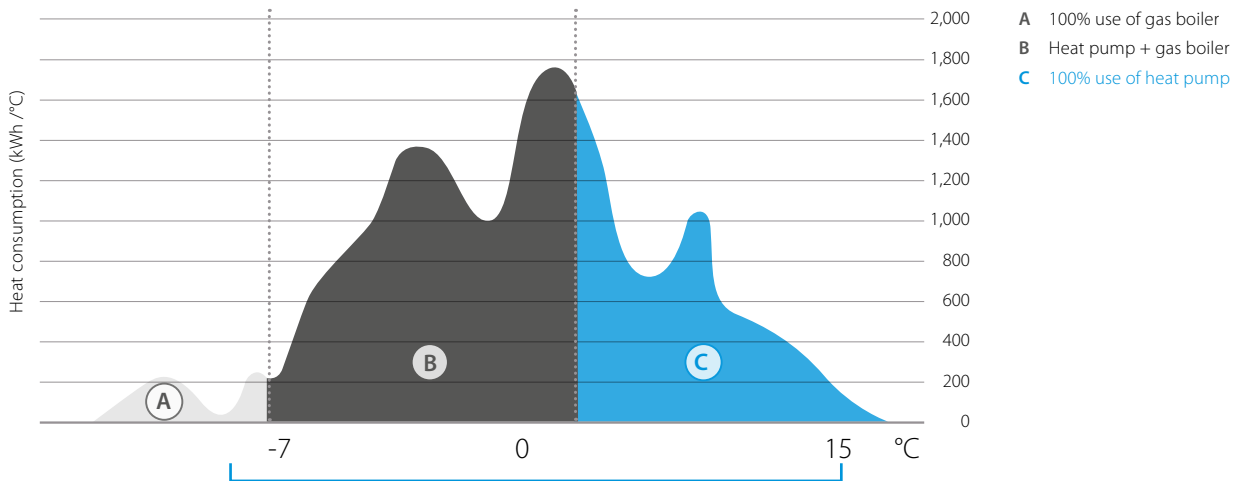
- › Low investment cost with no need to replace existing piping and radiators
- › Low running costs for heating and domestic hot water
- › Compact dimensions
- › Ideal for renovation applications
- › Easy and fast installation



Case study

Replacing a gas boiler with a Daikin Altherma Hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the Hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin altherma Hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
Space heating			
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1,220 €	1,520 €	1,820 €
DHW HEATING			
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65%
Running costs*	230 €	260 €	320 €
TOTAL			
Running costs	1,450 €	1,780 €	2,140 €

Conditions

Heat load	16 kW
Design temperature	-8 °C
Space heating off temperature	16 °C
Maximum water temperature	60 °C
Minimum water temperature	38 °C
Gas price	0.070 €/kWh
Electricity price (day)	0.237 €/kWh
Electricity price (night)	0.152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

* for combi-boiler, no separate domestic hot water tank

→ Yearly savings:
for space heating and domestic hot water

-19% versus new gas condensing boiler

330 €/year

-32% versus existing gas condensing boiler

690 €/year

Daikin Altherma R Hybrid

Hybrid technology combining condensing gas and air to water heat pump for heating and hot water

- › Heating only + heating and cooling models
- › Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma Hybrid heat pump always selects the most economical mode to operate
- › Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- › Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- › Easy and fast installation thanks to the compact dimensions and quick interconnections



More details and final information can be found by scanning or clicking the QR codes.

EHYHBH-AV32
 EHYHBX-AV3
 EVLQ-CV3

Efficiency data				EHYHBH05AV32 + EVLQ05CV3	EHYHBH08AV32 + EVLQ08CV3	EHYHBX08AV3 + EVLQ08CV3
Space heating	Average climate water outlet 55 °C	General	SCOP	3.28	3.24	3.29
			ηs (Seasonal space heating efficiency)	128	127	129
			Seasonal space heating eff. class	A++		
Domestic hot water heating	Average climate	Declared load profile		XL		
			ηwh (water heating efficiency)	83.8		
			Water heating energy efficiency class	A		
Heating capacity	Nom.		kW	4.40(1) / 4.03(2)	7.40(1) / 6.89(2)	7.40(1) / 6.89(2)
Cooling capacity	Nom.		kW	-	-	6.86(1) / 5.36(2)
Power input	Heating	Nom.	kW	0.870(1) / 1.13(2)	1.66(1) / 2.01(2)	1.66(1) / 2.01(2)
	Cooling	Nom.	kW	-	-	2.01(1) / 2.34(2)
COP				5.04(1) / 3.58(2)	4.45(1) / 3.42(2)	4.45(1) / 3.42(2)
EER				-	-	3.42(1) / 2.29(2)

Indoor unit (Hydrobox & Boiler)				EHYHBH05AV32	EHYHBH08AV32	EHYHBX08AV3	EHYKOMB33AA2	EHYKOMB33AA3
Central heating	Heat input Q _h (net calorific value)	Nom	Min/Max	-		6.2 / 7.6 / 7.6 / 22.1 / 27.0 / 27.0		
	Output P _h at 80/60 °C	Min/Nom		-		6.7 / 8.2 / 8.2 / 21.8 / 26.6 / 26.6		
	Efficiency	Net calorific value		-		98 / 107		
	Operation range	Min/Max		-		15 / 80		
Domestic hot water	Output	Min/Nom		-		7.6/32.7		
	Water flow	Rate	Nom	-		9.0 / 15.0		
	Operation range	Min/Max		-		40/65		
Gas	Connection	Diameter		-		15		
	Consumption (G20)	Min/Max		-		0.78/3.39		
	Consumption (G25)	Min/Max		-		0.90/3.93		
	Consumption (G31)	Min/Max		-		0.30/1.29		
Supply air	Connection			-		100		
	Concentric			-		1		
Flue gas	Connection			-		60		
Casing	Colour			White		White - RAL9010		
	Material			Precoated sheet metal		Precoated sheet metal		
Dimensions	Unit	Height x Width x Depth	Casing	mm		710 x 450 x 240		
Weight	Unit	Empty		30.0	31.2	36		
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230		
Electrical power consumption	Max.			-		55		
	Standby			-		2		
Operation range	Heating	Ambient	Min.~Max.	°C		-25 ~25		
		Water side	Min.~Max.	°C		25 ~55		
	Cooling	Ambient	Min.~Max.	°CDB		10 ~43		
		Water side	Min.~Max.	°C		5 ~22		

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Dimensions	Unit	Height x Width x Depth	mm	735 x 832 x 307	
Weight	Unit		kg	54	56
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CWB	-25~25	
Refrigerant	Type			R-410A	
	GWP			2,088	
	Charge		kg	1.5	1.6
	Charge		TCO ₂ Eq	3.0	3.3
	GWP			2,088	
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequency/Voltage			Hz/V	
Current	Recommended fuses			A	
				16	20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Condition: Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT=5 °C) (3) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C). (4) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

Daikin Altherma R Hybrid

+ multi



The Daikin Altherma Hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma Hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

→ Multi features







- ✓ Equipped with Bluevolution technology
- ✓ 3, 4 and 5 ports for multi outdoor units
- ✓ Combinable with different Split & Sky Air indoor units:
One port can be used for hot water production

Control with Onecta App



BLUEvolution

Options

		Type	Material name
Controllers		LAN adapter	BRP069A62
		LAN adapter + PV solar connection	BRP069A61
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6
		Remote user interface (EN, DE, RU, DA)	EKRUCBL7
		Simplified user interface	EKRUCBSB
		Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTR1
		Heat meter (EHYHBH* only)	K.HEATMET
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Drain		Drain pan for reversible H/B	EKHYDP1
Installation		Cover plate 35	EKHY093467
		Installation jig	EKHYMNT1
Sensor		External sensor	EKRTETS
Valve		Valve kit for connection to 3rd party tank with built-in thermostat	EKHY3PART2
		Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART
Propane set		Propane set	EKHY075787

Type	Material name
Adapter Flex-Fixed PP 100	EKFGP6316
Adapter Flex-Fixed PP 130	EKFGS0252
Chimney Connection 60/100	EKFGP4678
Chimney Connection 60/100	EKFGP4678
Chimney Connection 80/125	EKFGP4828
Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
Concentric connection Ø 80/125	EKHY090717
Connector Flex-Flex PP 100	EKFGP6325
Connector Flex-Flex PP 130	EKFGP6366
Connector Flex-Flex PP 80	EKFGP6324
Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
Eccentric connection Ø 80	EKHY090707
Elbow PP/ALU 80/125 90°	EKFGP4810
Elbow PP/GLV 60/100 30°	EKFGP4664
Elbow PP/GLV 60/100 45°	EKFGP4661
Elbow PP/GLV 60/100 90°	EKFGP4660
Elbow PP/GLV 80/125 30°	EKFGP4814
Elbow PP MB-AIR 80 90°	EKFGW4085
Elbow PP BM-AIR 80 45°	EKFGW4086
Extension Flex PP 100 l=10 M	EKFGP6346
Extension Flex PP 100 l=15 M	EKFGP6349
Extension Flex PP 100 l=25 M	EKFGP6347
Extension Flex PP 130 l=30 M	EKFGS0250
Extension Flex PP 80 l=10 M	EKFGP6340
Extension Flex PP 80 l=15 M	EKFGP6344
Extension Flex PP 80 l=25 M	EKFGP6341
Extension Flex PP 80 l=50 M	EKFGP6342
Extension PP 60 x 500	EKFGP5461
Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
Extension PP/GLV 60/100 x 500 mm	EKFGP4651
Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
Extension PP/GLV 80/125 x 500 mm	EKFGP4801
Extension P BM-Air 80 x 500	EKFGW4001
Extension P BM-Air 80 x 1,000	EKFGW4002
Extension P BM-Air 80 x 2,000	EKFGW4004
Filling loop set	EKFL1AA
Flex 100-60 + Support Elbow	EKFGP6354
Flex 130-60 + Support Elbow	EKFGS0257
Flex Kit PP Dn.60-80	EKFGP1856
Flex Kit PP Dn.8	EKFGP2520
Flue Deflector 60 (UK Only)	EKFGP1295
Flue gas non-return flap	EKFGF1A
Gas conversion kit from G20 to G25	EKPS076227
Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Plume Management Kit 60 (UK Only)	EKFGP1294
PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
PMK Elbow 60 90° (UK Only)	EKFGP1284
PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
Spacer PP 80-100	EKFGP6333
Support Breaket Top Inox Dn.100	EKFGP6337
Support Breaket Top Inox Dn.130	EKFGP6353
Tee Flex 100 Boiler Connection set 1	EKFGP6368
Tee Flex 130 Boiler Connection set 1	EKFGP6215
Thermistor recirculator	EKTH2
Wall Bracket Dn.100	EKFGP4481
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP2977
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit PP/GLV 60/100	EKFGP1292
Wall Terminal Kit PP/GLV 80/125	EKFGW6359
Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
Weather Slate Flat Alu 60/100	EKFGP6940
Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 80/125	EKFGW5333
Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

Flue gas connections



Daikin Altherma H Hybrid

The best of 2 worlds

Heat pump



H₂O

Condensing boiler



Environmentally friendly

- › Reduced environmental impact thanks to the usage of **R-32 refrigerant**
- › Outdoor unit with **sealed refrigerant circuit**, which greatly reduces the risk of refrigerant leakage



Easy & Quick installation

All hydraulics components are outside.



No F-gas licence required

Only water connections between outdoor and indoor unit. Therefore no F-gas certification is needed for the installer.

Safety in every conditions

The unit can work down to -15 °C outside thanks to multiple freeze-up protections



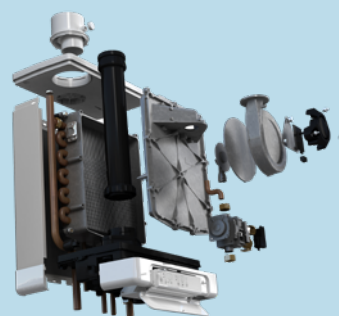
Flexible installation

Compact indoor unit can be installed in a cupboard.



Condensing technology

The condensing technology uses optimum fuel efficiency, with reduced emissions of NOx and CO, to ensure high cost savings and environmentally-friendly operation.



Plug & play

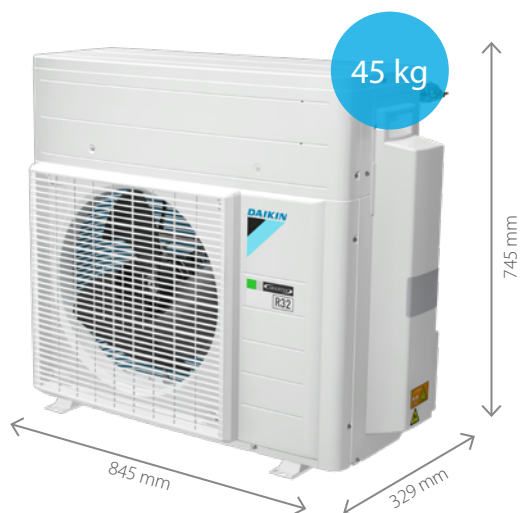
No need of other parts, the pump group is integrated inside.

BLUEEVOLUTION

The Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.

Installation possibilities

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW



The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW



For more domestic hot water production, you can combine the Daikin Altherma H Hybrid with multiple tank options:

Pressureless tanks with solar support

Connect your unit to a ECH₂O thermal store and take advantage of the energy of the sun.



Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs.



Controllers

EKRUHML1/2

Control

- › Manage space heating and domestic hot water and among others, booster mode
- › User-friendly remote control with contemporary design
- › Easy to use with direct accessibility to all main functions

Comfort

- › An additional user interface can include a room thermostat in the space to be heated
- › Easy commissioning: intuitive interface for advanced menu settings



Onecta App

The Onecta App is a multifaceted programme that allows customers to control and monitor the status of their heating system.

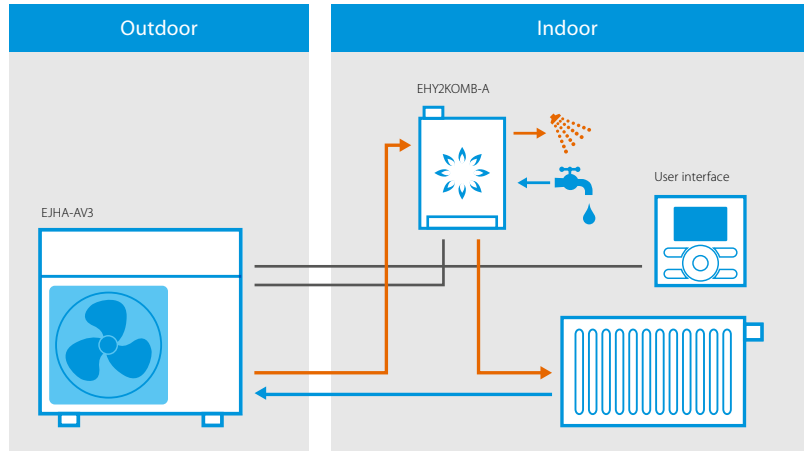
Control your heating system with your voice



Applications

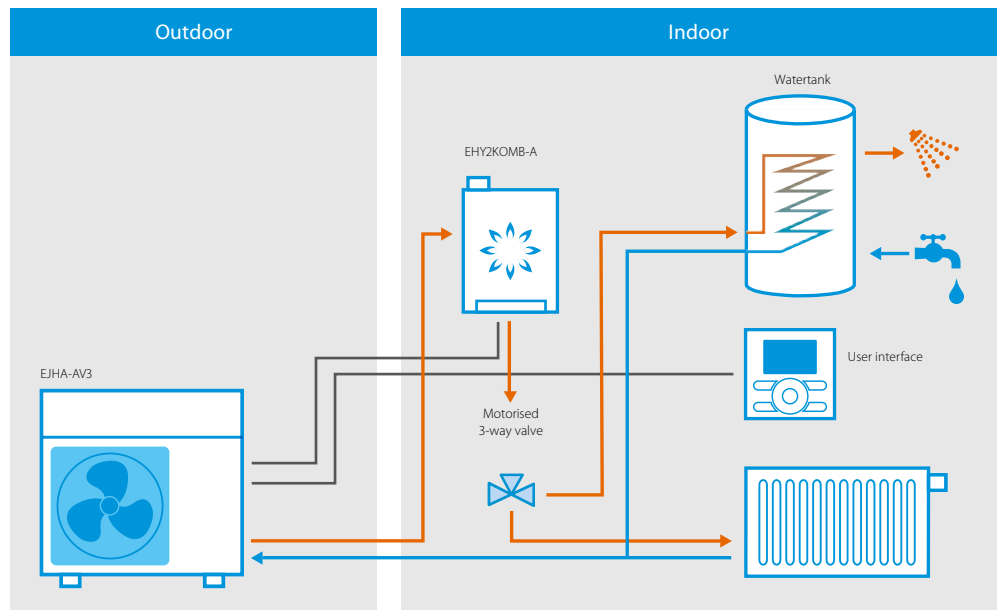
1. Standard Hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



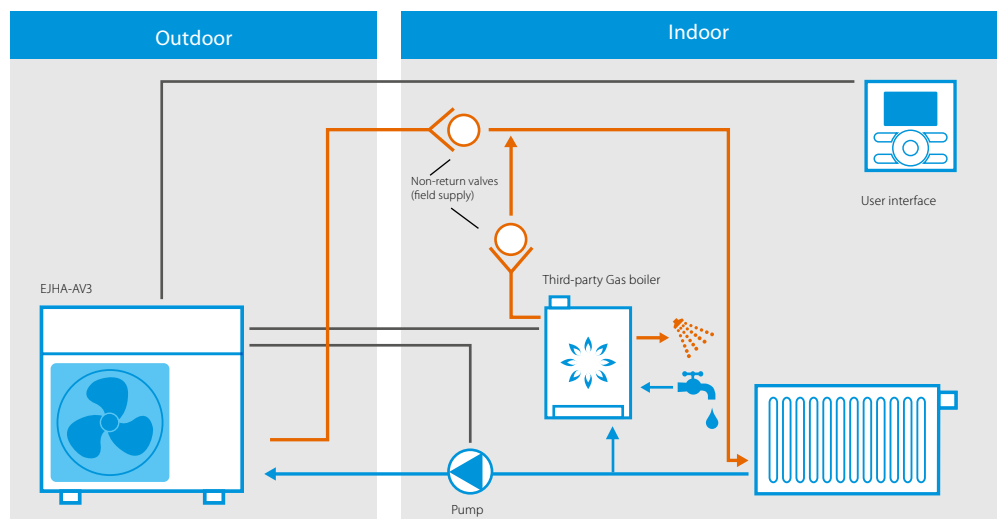
1.1 Standard Hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide high quantity of domestic hot water produced either by the heat pump or by the boiler.



2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.



Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water**

- › Heating only models
- › Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
- › Low investment cost: no need to replace the existing radiators (up to 80 °C) and pipe work
- › Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- › Easy and fast installation thanks to the compact dimensions and water connections



More details and final information can be found by scanning or clicking the QR codes.



EHY2KOMB-A



EJHA-AV3


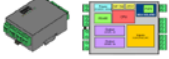
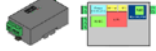






Efficiency data				EHY2KOMB28AA + EJHA04AAV3	EHY2KOMB32AA + EJHA04AAV3
Heating capacity	Nom.				3.83 (1)
Power input	Heating	Nom.			0.85 (1)
COP					4.49 (1)
Space heating	Average climate water outlet 55 °C	General	SCOP ηs (Seasonal space heating efficiency) Seasonal space heating eff. class	3.26	3.28
	Average climate water outlet 35 °C	General	SCOP ηs (Seasonal space heating efficiency) Seasonal space heating eff. class	4.14	4.15
Domestic hot water heating	General	Declared load profile			XL
	Average climate	ηwh (water heating efficiency) Water heating energy efficiency class			87 A

Indoor unit				EHY2KOMB28AA	EHY2KOMB32AA
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	7.1 / 23.7	7.6 / 27.0
	Output Pn at 80/60 °C	Nom		23.1	26.6
	Efficiency	Net calorific value 80/60		98	99
	Efficiency	Net calorific value 37/30 (30%)			108
Domestic hot water	Operation range	Min/Max		30 / 90	
	Output	Min/Nom		7.1 / 29.1	7.6 / 32.7
	Water flow	Rate 40/10 °C		12.5	15.0
Gas	Operation range	Min/Max		40/65	
	Connection	Diameter		15	
	Consumption (G20)	Min/Max		0.74 / 3.02	0.79 / 3.39
	Consumption (G31)	Min/Max		0.28 / 1.15	0.30 / 1.29
Supply air	Connection			100	
Flue gas	Connection			1	
	Colour			60	
Casing	Material			White - RAL9010	
				Precoated sheet metal	
Dimensions	Unit	HxWxD	Casing	650 x 450 x 240	710 x 450 x 240
Weight	Unit	Empty		33	36
Power supply	Phase/Frequency/Voltage				1~/50/230
Electrical power consumption	Max.			110	
	Standby			2	

Outdoor unit				EJHA04AAV3
Dimensions	Unit	HxWxD		745 x 845 x 329
Weight	Unit			45
Compressor	Quantity			1
	Type			Hermetically sealed swing compressor
Operation range	Heating	Min.~Max.		-14~25
Refrigerant	Type			R-32
	GWP			675
	Charge			0.56
	Charge			0.38
Sound power level	Heating	Nom.		58.7
Sound pressure level	Heating	Nom.		37
Power supply	Name/Phase/Frequency/Voltage			V3/1~/50/220-240
Current	Recommended fuses			A 20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C).
This product contains fluorinated greenhouse gases.

Options - system













Group		Description	Material name	Pair Hybrid	Add-on Hybrid
Controllers		User interface: English – Dutch – Italian – French	EKRUHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO ⁽²⁾	•	•
		Gateway 2: Modbus version	DCOM-LT/MB ⁽²⁾	•	•
		LAN + PV Solar (installation box EKBRPA6 available)	BRP069A61	•	•
		LAN only (installation box EKBRPA6 available)	BRP069A62	•	•
		Wired room thermostat	EKRTWA	•	
		Wireless room thermostat	EKRTR1	•	
		External room sensor	EKRTETS ⁽⁴⁾	•	
	Sensor		Remote outdoor sensor	EKRSCA1 ⁽³⁾	•
Other		Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Bottom plate heater (dedicated type)	EKBPH04JH	•	•
		Ball valves	EKBALLV1	•	•
		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2		•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3 rd party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKEPHYHT35H	•	
		Freeze protection valve for field piping	AFVALVEHY2	•	•

(2): Compatible with EKRUHML user interface.

(3): Only 1 sensor can be connected: indoor OR outdoor sensor.

(4): Can only be used in combination with the wireless room thermostat EKRTR1.

Options - boiler

Accessory		Sales region	Material name			
				EHY2KOMB28AA	EHY2KOMB32AA	
Boiler options		IT, ES, CZ, GR, PL, PT	EKFJM1A	•		
		IT, ES, CZ, GR, PL, PT	EKFJL1A		•	
		FR, BE	EKFJM2A	•		
		FR, BE	EKFJL2A		•	
		DE	EKFJM6A	•		
		DE	EKFJL6A		•	
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•	
		DE	EKVK6A	•	•	
	Filling loop set		All	EKFL1A	•	•
	Solar water heater connection set (cable + probe sensor)		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKH-Y090717	•	•	
Eccentric connection Ø 80		All	EKH-Y090707	•	•	
Dongle set (wireless connection from PC to boiler)		All	EKDS1A	•	•	
Cover plates		All	EKCP1A	•	•	
		All	EKH-Y093467 ⁽¹⁾	•	•	
		All	EKH-Y075787		•	
Propane sets (G31)		All	EKPS075867	•		
		All	EKPS076217	•		
Conversion kits (G25)		DE, BE, FR	EKPS076217	•		
		DE, BE, FR	EKPS076227		•	

(1): cannot be used in combination with B-packs.

Type	Material name
Adapter Flex-Fixed PP 100	EKFGP6316
Adapter Flex-Fixed PP 130	EKFGS0252
Chimney Connection 60/100	EKFGP4678
Chimney Connection 60/100	EKFGP4678
Chimney Connection 80/125	EKFGP4828
Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
Concentric connection Ø 80/125	EKH-Y090717
Connector Flex-Flex PP 100	EKFGP6325
Connector Flex-Flex PP 130	EKFGP6366
Connector Flex-Flex PP 80	EKFGP6324
Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
Eccentric connection Ø 80	EKH-Y090707
Elbow PP/ALU 80/125 90°	EKFGP4810
Elbow PP/GLV 60/100 30°	EKFGP4664
Elbow PP/GLV 60/100 45°	EKFGP4661
Elbow PP/GLV 60/100 90°	EKFGP4660
Elbow PP/GLV 80/125 30°	EKFGP4814
Elbow PP MB-AIR 80 90°	EKFGW4085
Elbow PP BM-AIR 80 45°	EKFGW4086
Extension Flex PP 100 l=10 M	EKFGP6346
Extension Flex PP 100 l=15 M	EKFGP6349
Extension Flex PP 100 l=25 M	EKFGP6347
Extension Flex PP 130 l=30 M	EKFGS0250
Extension Flex PP 80 l=10 M	EKFGP6340
Extension Flex PP 80 l=15 M	EKFGP6344
Extension Flex PP 80 l=25 M	EKFGP6341
Extension Flex PP 80 l=50 M	EKFGP6342
Extension PP 60 x 500	EKFGP5461
Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
Extension PP/GLV 60/100 x 500 mm	EKFGP4651
Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
Extension PP/GLV 80/125 x 500 mm	EKFGP4801
Extension P BM-Air 80 x 500	EKFGW4001
Extension P BM-Air 80 x 1,000	EKFGW4002
Extension P BM-Air 80 x 2,000	EKFGW4004
Filling loop set	EKFL1AA
Flex 100-60 + Support Elbow	EKFGP6354
Flex 130-60 + Support Elbow	EKFGS0257
Flex Kit PP Dn.60-80	EKFGP1856
Flex Kit PP Dn.8	EKFGP2520
Flue Deflector 60 (UK Only)	EKFGP1295
Flue gas non-return flap	EKFGF1A
Gas conversion kit from G20 to G25	EKPS076227

Flue gas connections

Type	Material name
Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Plume Managment Kit 60 (UK Only)	EKFGP1294
PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
PMK Elbow 60 90° (UK Only)	EKFGP1284
PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
Spacer PP 80-100	EKFGP6333
Support Breaket Top Inox Dn.100	EKFGP6337
Support Breaket Top Inox Dn.130	EKFGP6353
Tee Flex 100 Boiler Connection set 1	EKFGP6368
Tee Flex 130 Boiler Connection set 1	EKFGP6215
Thermistor recirculator	EK TH2
Wall Bracket Dn.100	EKFGP4481
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit PP/GLV 60/100	EKFGP1292
Wall Terminal Kit PP/GLV 80/125	EKFGW6359
Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
Weather Slate Flat Alu 60/100	EKFGP6940
Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 80/125	EKFGW5333
Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

Flue gas connections

Boilers

Condensing boilers	204
Gas condensing boilers	206
Daikin Altherma 3 C Gas W (D2C/TND*)	206
Daikin Altherma 3 C Gas W (D2CNL)	212
Daikin Altherma C Gas W	214
Flue-gas evacuation system	216



Condensing boilers

Why choose a condensing boiler?

Daikin's gas or oil condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Both boilers provide end users with reliable performance and efficient heating and hot water.

✓ Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range.

✓ Energy efficiency

Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 109% more energy efficiency by using renewable energy to produce hot water.

Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m³ natural gas, 1.7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

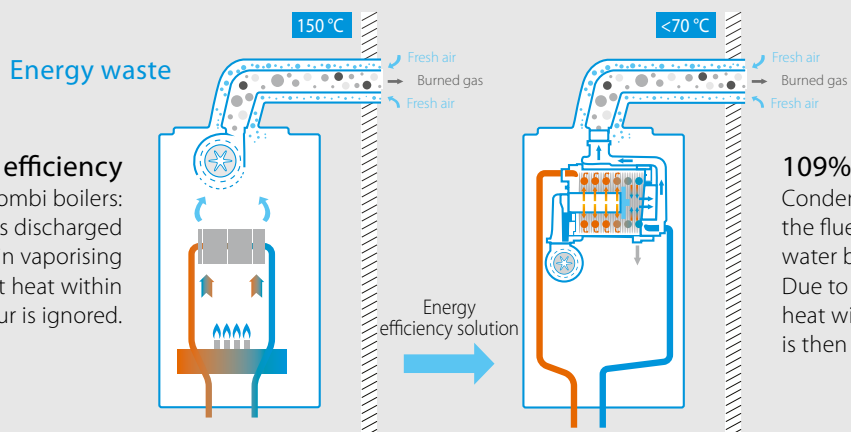
Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.



✓ Flexibility

Easy installation and service

All parts are accessible from the front and are low maintenance. The flue gas installation can be adapted to all kinds of configuration thanks to its flexibility.



93% efficiency

Conventional combi boilers: Water vapour is discharged through the flue in vaporising phase and latent heat within the water vapour is ignored.

109% efficiency

Condensing combi boilers: the flue gas collides with influent water before being discharged. Due to this occurrence, latent heat within the water vapour is then released.

Daikin Altherma 3 C Gas (D2C/TND*)

Wall mounted gas condensing boiler

Why choose the Daikin gas condensing boiler?

Low weight

27 kg

Connectivity/Cloud Service

Always in control, no matter where you are.

Easy installation and service

All parts are accessible from the front. The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space. The Lambda Gx is compatible with wall mounted and floor standing units.

Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

- › Combi boiler: solar preheating
- › Heating only boiler: solar controller input



Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW.

Daikin eye

Monitor the operating status of your combi boiler with the Daikin Eye.

Unique interface

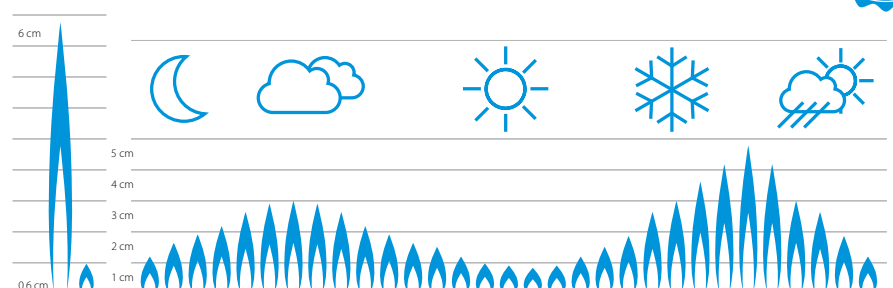
- › Stylish interface appeals to all end-users
- › State-of-the-art technology meets user-friendly design
- › The side details and convex front panel deliver an integrated view

Most compact

12, 18, 24 kW: 400 x 255 x 580 mm
28, 35 kW: 450 x 288 x 666 mm

✓ High modulation rate

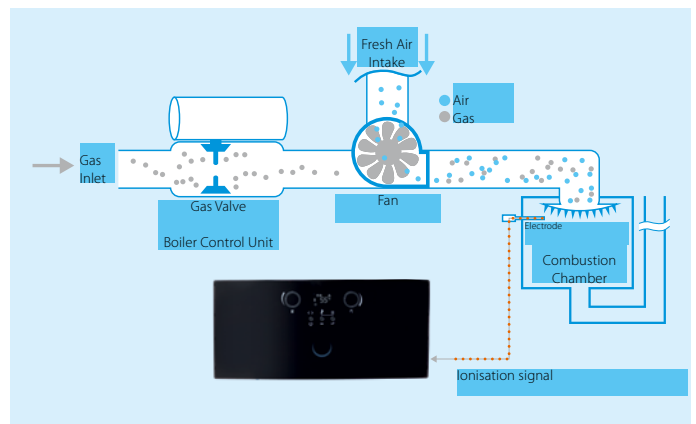
The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.





✓ Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



✓ Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye.

Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.

Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

✓ Product features

Flue Adapter 60/100

- › Factory mounted
- › Compatible with top adapters/elbows of different flue gas manufacturers
- › With measurement holes for air and flue gas

Heat Exchanger

- › Daikin design
- › Material: Aluminium
- › Modulation:
12-18-24 kW (1:4 - 1:6 - 1:8)
28-35 kW (1:4 - 1:7)

Expansion Vessel

- › Integrated
- › 12-18-24 kW: 8 liters
28-35 kW: 10 liters

Gas Valve

- › Less maintenance needed
- › Automatic gas adaptive system
- › No additional parts/tools for changing from NG to LPG

Domestic Hot Water Plate Heat Exchanger

Increased number of plates to provide

faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock

- › Includes filter and flow restrictor
- › Air vent, drain tap and Internal bypass
- › Low energy pump

Fan

- › Wide modulation range
- › Low noise

✓ Small gas condensing combi boiler

Heating only: 12-18 kW
Combi: 24 kW

Combi: 28-35 kW

Occupies only
0.06 m³

27 kg

37 kg

590 mm

690 mm

256 mm

400 mm

295 mm

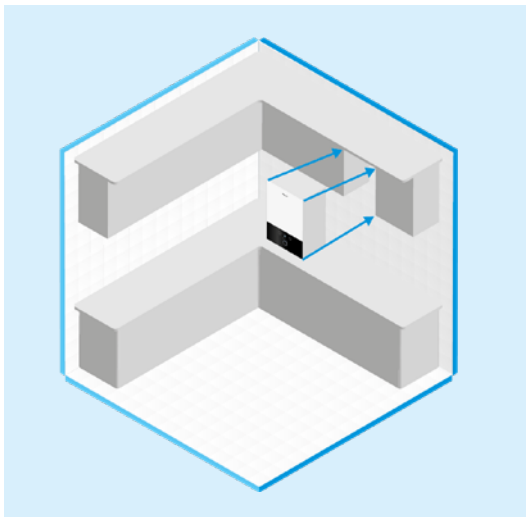
440 mm



reddot award 2018
winner

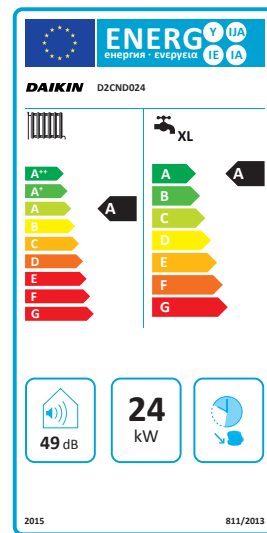
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



High energy class

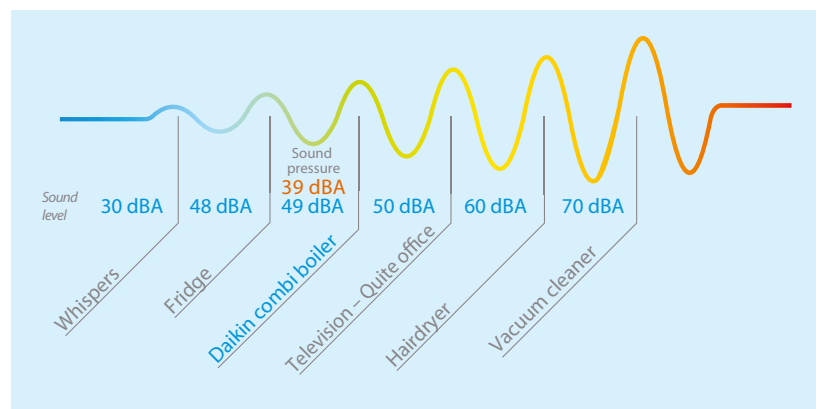
Energy Class A adheres to European ERP Standards.



Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to a dishwasher operating in an adjacent room.

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.





Best for your home with compact dimensions



Capacity

T-Model: 12-18-24-28-35 kW.
C-Model: 24-28-35 kW.



Compact size

Measuring only 0.06 m³, this slim, state-of-the-art design combines power with aesthetics.



Modulation

The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.



High energy class

Efficiency class according to EU Ecodesign Lot1 (A).



Full condensation

Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.



Lambda Gx system

Superior combustion technology delivers unparalleled efficiency and energy savings.



Comfort mode

The DK combi boiler is designed to provide optimal comfort levels.



Premix combustion

Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.



Electrical Protection

Safe combi boiler with a protection class of IP5D.



Lcd display

Eye-catching and user-friendly design.



Efficiency

Achieves up to 109% efficiency with full condensation.



Double heat exchanger

The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.



Frequency controlled pump

The frequency control monitors power consumption to boost efficiency and save energy.



Easy maintenance

Details in design allows for easy maintenance.



Quiet

Delivers a very low sound level that reflects the new EU standards.



Onecta App

Control your indoor unit from any location via app (optional LAN adapter).



Thermo regulation

The device runs the system based on data obtained from the outside temperature sensor and room thermostat.

Daikin Altherma 3 C Gas

Supremely compact gas condensing boiler providing heating and hot water

- › Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- › Easy to service: all parts are accessible by only removing the front panel
- › High heating efficiency up to 108%
- › High modulating range 1:8 : the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- › Combine it with solar heating for even better energy efficiency
- › C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water
- › T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler
- › A1 model means that the filling loop is internal
- › A4 model means that the filling loop is external
















More details and final information can be found by scanning or clicking the QR codes.



Indoor unit				D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/27	4.8/34	2.9/23.5	4.8/27	4.8/34
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	3.2/12.4	3.2/18.9	3.2/26.1	5.3/30	5.3/37.8	3.2/26.1	5.3/30	5.3/37.8
	Output Pn at 80/60 °C	Min/Nom		kW	2.8/10.9	2.8/16.6	2.8/22.8	4.6/26.3	4.6/33.2	2.8/22.8	4.6/26.3	4.6/33.2
	Output Pnc at 50/30 °C	Min/Nom		kW	3.1/12.0	3.1/18.0	3.1/24.0	5.2/28.2	5.2/35	3.1/24.0	5.2/28.2	5.2/35
	Water pressure (PMS)	Max		bar	3							
	Water temperature	Max		°C	100							
	Efficiency Operation range	Net calorific value	Min/Max		%	98.6	98.2	97.9	98.2	97.9	97.9	-
Piping connections					19 (3/4") Male							
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/29.5	4.8/34	2.9/23.5	4.8/29.5	4.8/34
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	3.2/12.4	3.2/18.1	3.2/26.1	5.3/32.7	5.3/37.7	3.2/26.1	5.3/32.7	5.3/37.7
	Domestic hot water threshold Temperature	Factory setting		L/min	2.5							
	Operation range	Min/Max		°C	35/60							
	Piping connections				mm	19 (3/4") Male						
Connection diameter for heat flow and return				mm	12.7 (1/2") Male							
Gas	Connection diameter			mm	19 (3/4") Male							
	Gas connection diameter			mm	19 (3/4") Male							
	Consumption (G20)	Min/Max		m³/h	0.31/1.18	0.31/1.80	0.31/2.48	0.51/2.89	0.51/3.63	0.31/2.48	0.51/2.89	0.51/3.63
	Consumption (G25)	Min/Max		m³/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19
Supply air	Consumption (G31)			Min/Max	m³/h	0.12/0.46	0.12/0.69	0.2/1.1	0.2/1.38	0.12/0.96	0.2/1.1	0.2/1.38
	Connection			mm	100							
Flue gas	Concentric			mm	1							
	Connection			mm	60							
Space heating	General	ηs (Seasonal space heating efficiency)	Seasonal space heating eff. class	%	96							
					93							
Domestic hot water heating	General	Declared load profile ηwh (water heating efficiency)	Water heating energy efficiency class	%	A							
					XL							
Casing	Colour	Material	Casing	mm	Titanium White (Ra)9003							
					Sheet metal	Powder painted galvanised steel plate				Sheet metal	Powder painted galvanised steel plate	
Dimensions	Unit	Height x Width x Depth	Casing	mm	590 x 400 x 256				690 x 440 x 295			
					590 x 400 x 256				690 x 440 x 295			
Weight	Unit	Empty	Casing	kg	27				37			
					36				27			
Power supply	Phase/Frequency/Voltage		Casing	Hz/V	1~/50/230				1~/50/230			
					86				92			
Electrical power consumption	Max.		Casing	W	86				92			
					3.5				2.7			
Electrical power consumption	Standby		Casing	W	3.5				2.7			
					3.5				2.7			

Options

Category		Description	Material Nr
Controllers		Outdoor sensor	150042
		Solar Temperature Sensor	DRSLRTESENSAA
		Daikin OT+ room thermostat	DOTROOMTHEAA
		Communication gateway	DRGATEWAYAA
System control - Cascade		Cascade Controller (E8.5064 V1)	DRCASCACONTAA
		Zone Controller (E8.1124)	DRZONECCONTAA
		CoCo OT-CAN Adapter	DRCOCOADPTRAA
		Lago CAN BUS room thermostat	DRCBROOMTHEAA
		Flow temperature sensor (Cascade)	DRFLWTESENSAA
		Outdoor temperature sensor (Cascade)	DRODRTESENSAA
		Storage Tank Temperature Sensor (Cascade)	DRSTKTESENSAA
Flue gas		Connector Elbow PP 60/100 + MP(0 mm)	DRMEEA60100BA
		Twin Box Adapter 80/80 + MP(0 mm)	DRDECOP8080BA
		Vert. Conn. 60/100-80/125 + MP(0 mm)	DRDECO80125BA
Mechanical		Cover plate (12-18-24 kW)	DRCOVERPLATAA
		Cover plate (28-35 kW)	DRCOVERPLA2AA
		Antifreezing set	DRANTIFREEZAB
Valve kit		Valve Kit C1 - 90° valves	DRVALVEKIC1AA
		Valve Kit C2 - 90° valves	DRVALVEKIC2AA
		Valve Kit T1 - 90° valves	DRVALVEKIT1AA
		Valve Kit T2 - 90° valves	DRVALVEKIT2AA
Pump Groups & Other		Seperator for mud and magnetit	SAS1 156021
		Seperator for mud and magnetit	IT.DEFANG-TP
		Seperator for mud and magnetit	IT-DEFANG-OT
		Unmixed Pump Group	DRUPUMPGRUPAA
		Mixed Pump Group	DRMPUMPGRUPAA
For service		Service box	DRSERVCBOX1AA - 5020177



Daikin Altherma 3 C Gas (D2CNL)

Base model - Wall mounted gas condensing boiler

The new gas condensing boiler D2CNL-A1A integrates what is essential: neat design, ease of use and installation to provide heating and hot water.

Neat design

The product enjoys the black and white design DNA introduced with the third generation of Daikin Altherma products. Its dimensions and weight make it one of the most compact product of its category.

All-in-one comfort

The product provides space heating and instantaneous domestic hot water without tank, both with an A energy label.



As simple as A+B

The product is really simple to control via its interface. It is also very easy to install and service since all parts are available from the front.

Daikin Altherma 3 C Gas

Supremely compact gas condensing wall mounted boiler
providing heating and hot water

- › Easy to service: all parts are accessible by only removing the front panel
- › Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping



D2CNL-A1A







More details and final information can be found by scanning or clicking the QR codes.



D2CNL-A1A



Indoor unit		D2			CNL024A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	4.0 /23.5
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	4.4 /26.1
	Output Pn at 80/60°C	Min/Nom		kW	3.8 /22.8
	Output Pnc at 50/30°C	Min/Nom		kW	4.4 /24.0
	Water pressure (PMS)	Max		bar	3
	Water temperature	Max		°C	100
	Operation range	Min/Max		°C	30 /80
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	4.0 /25.5
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	4.4 /28.3
	Domestic hot water threshold			L/min	2.3
	Temperature	Factory setting		°C	50
	Operation range	Min/Max		°C	35 /60
Gas	Consumption (G20)	Min/Max		m ³ /h	0.40 /2.50
Supply air	Connection			mm	100
	Concentric				Yes
Flue gas	Connection			mm	60
Space heating	General	Seasonal space heating efficiency class			A
		ηs (Seasonal space heating efficiency)		%	93
Domestic hot water heating	General	Declared load profile			XL
		Water heating energy efficiency class			A
		ηwh (water heating efficiency)		%	87
Casing	Colour				Titanium White (Ral9003)
	Material				Powder painted galvanised steel plate
Dimensions	Unit	HxWxD	Casing	mm	590 x 400 x256
Weight	Unit	Empty		kg	27
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230
Electrical power consumption	Max.			W	100
	Standby			W	3

Category	Description	Material Nr
Valve Kit	 Valve Kit for Combi Boiler	DRVALVEKIC1AA
Wall Rack	 Wall Rack for small boilers	DRWALLRACK1AA
Cover Plate	 Bottom cover plate	DRCOVERPLATAA
Flue Gas	 Connector Elbow PP 60/100	DRMEEA60100BA
	 Twin Box Adapter 80/80	DRDECOP8080BA
	 Vert. Conn. 60/100-80/125	DRDECO80125BA

Daikin Altherma C Gas W

High efficiency gas condensing boiler for heating and hot water

- › High efficiency gas condensing boiler
- › Top efficiency gas condensing boiler thanks to labyrinth fin heat exchanger for improved heat exchange
- › Low running costs for both heating and hot water thanks to new dual heat exchanger
- › Maximum heating comfort and domestic hot water when it is most needed
- › Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components



More details and final information can be found by scanning or clicking the QR codes.



EHOB-AH



EHOBG-A



EKOMB-AH



EKOMBG-A

Indoor unit				EHOB	G12A	G18A	12AH	18AH	42AH	
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	3.8/12.5	5.6/18.7	3.5/11.8	5.6/18.7	7.8/42.5	
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	4.2/13.9	6.2/20.8	3.9/13.1	6.2/20.8	8.7/47.2	
	Output Pn at 80/60 °C	Min/Nom		kW	-/12.2	-/18.2	3.4/11.5	5.4/17.8	7.7/40.9	
	Output Pnc at 50/30 °C	Min/Nom		kW		-/-	3.8/12.0	5.9/18.7	8.5/42.2	
	Water pressure (PMS)	Max		bar			3			
	Water temperature	Max		°C			90			
	Operation range	Min/Max		°C			30/90			
Gas	Connection	Diameter		mm			15			
	Consumption (G20)	Min/Max		m ³ /h	0.36/1.30	0.58/1.94	0.36/1.22	0.55/1.94	0.81/4.41	
	Consumption (G25)	Min/Max		m ³ /h	0.42/1.50	0.67/2.25	0.42/1.42	0.64/2.25	0.94/5.10	
	Consumption (G31)	Min/Max		m ³ /h	0.14/0.49	0.22/0.74	0.14/0.47	0.21/0.74	0.31/1.68	
Supply air	Concentric					60/100				
Flue gas	Connection			mm			60			
Space heating	General	ηs (Seasonal space heating efficiency)		%	92			91		
		Seasonal space heating eff. class			A					
Casing	Colour	White - RAL9010								
	Material	Precoated sheet metal								
Dimensions	Unit	Height x Width x Depth	Casing	mm	590 x 450 x 240				710 x 450 x 240	
Weight	Unit	Empty		kg	30				36	
Power supply	Phase/Frequency/Voltage			Hz/V	1/50/230					
Electrical power consumption	Max.				W	80				135
	Standby				W	2				4

Indoor unit				EKOMB	22AH	28AH	33AH	G22A	G28A	G33A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	5.6/18.7	7.1/23.7	7.2/27.3	5.5/23.3	7.1/29.1	7.6/32.7
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	6.2/20.8	7.9/26.3	8.0/30.3	6.1/25.9	7.9/32.3	8.4/36.3
	Output Pn at 80/60 °C	Min/Nom		kW	-/17.8	-/22.8	-/26.3	-/22.7	-/28.4	-/32.1
	Water pressure (PMS)	Max		bar				3		
		Water temperature	Max		°C			90		
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	5.6/22.1	7.1/28.0	7.2/32.7	5.5/23.3	7.1/29.1	7.6/32.7
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	6.2/24.6	7.9/31.1	8.0/36.3	6.1/25.9	7.9/32.3	8.4/36.3
	Domestic hot water threshold			L/min	2.0			-		
	Temperature	Factory setting		°C	60					
		Operation range	Min/Max		°C	40/65				
Gas	Connection	Diameter		mm	15					
	Consumption (G20)	Min/Max		m ³ /h	0.58/2.29	0.74/2.91	0.75/3.39	0.58/2.42	0.74/3.02	0.79/3.39
	Consumption (G25)	Min/Max		m ³ /h	0.67/2.65	0.85/3.26	0.86/3.93	0.62/2.82	0.84/3.46	0.89/3.92
	Consumption (G31)	Min/Max		m ³ /h	0.22/0.87	0.28/1.11	0.28/1.29	0.21/0.94	0.29/1.19	0.30/1.29
Supply air	Concentric				60/100					
Flue gas	Connection			mm	60					
Space heating	General	ηs (Seasonal space heating efficiency)		%	91	92	93	91	92	93
		Seasonal space heating eff. class			A					
Domestic hot water heating	General	Declared load profile		%	L		XL	L		XL
		ηwh (water heating efficiency)			78		81	90		83
		Water heating energy efficiency class			A					
Casing	Colour	White - RAL9010								
	Material	Precoated sheet metal								
Dimensions	Unit	Height x Width x Depth	Casing	mm	590 x 450 x 240	650 x 450 x 240	710 x 450 x 240	590 x 450 x 240	650 x 450 x 240	710 x 450 x 240
Weight	Unit	Empty		kg	30	33	36	30	33	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					
Electrical power consumption	Max.				W	80				
	Standby				W	2				

(1) Setpoint 40 °C (2) Setpoint 60 °C

Options

Type	Material name	Condensing boilers								
		EKOMB*				EHOB*				
		Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW	
Controllers	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•
	Dongle set	EKDS1A	•	•	•	•	•	•	•	•
Installation	Cover plate 35	EKCP1A	•	•	•	•	•	•	•	•
	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•
Sensor	Outdoor sensor	EKOSK1A	•	•	•	•	•	•	•	•
Valve	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•
	Valve kit (DE)	EKVK5A						•	•	
	Valve kit (DE)	EKVK6A	•	•	•	•	•			
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•
B-pack	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•	•					•	•
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•				
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A						•		•
	B-pack for combi (FR, BE)	EKFJS2A	•	•						
	B-pack for combi (FR, BE)	EKFJM2A			•	•				
	B-pack for combi (FR, BE)	EKFJL2A						•		•
	B-pack for combi (UK)	EKFJS3A	•	•						
	B-pack for combi (UK)	EKFJM3A			•	•				
	B-pack for combi (UK)	EKFJL3A						•		
	B-pack for combi (DE)	EKFJS4A							•	•
	B-pack for combi (DE)	EKFJS6A	•	•						
	B-pack for combi (DE)	EKFJM6A			•	•				
	B-pack for combi (DE)	EKFJL6A							•	
Propane set		EKHV075787	•							
		EKPS075867					•	•		•
		EKPS075877	•							
		EKPS075917							•	
Conversion set		EKPS076197							•	
		EKPS076207	•							•
		EKPS076217		•	•					•
		EKPS076227		•					•	•
Flue gas	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•
	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•			
Others	Concentric connection (Ø 80/125)	EKHV090717								
	Eccentric connection (Ø 80)	EKHV090707								
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•			

Flue-gas evacuation system

Hybrid heat pump



Daikin Altherma R/H Hybrid

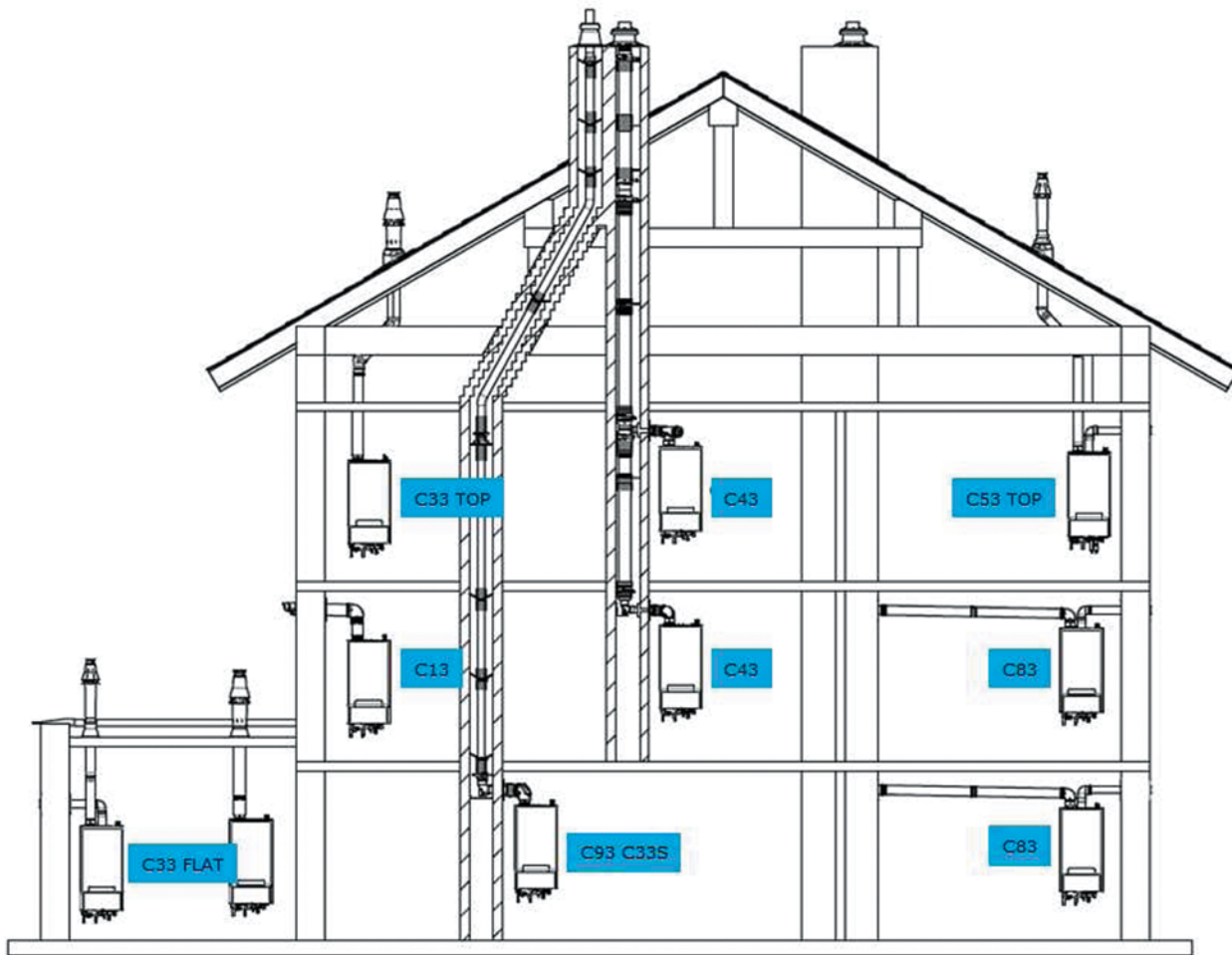
Wall mounted gas condensing boilers



Daikin Altherma C Gas W
Daikin Altherma 3 C Gas W

Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



1-8 Variants for Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

CA Air (combustion) inlet

FG Flue gas

RV Ventilation

B_{xx} Type CEN/TR1749:2009 for operation dependent on ambient air

C_{xx} Type CEN/TR1749:2009 for suction operation

a Variant for suction connection (flue gas/concentric air inlet)

b Variant for partial suction connection (flue gas/separated air inlet)

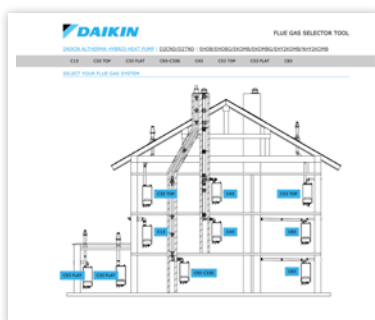
c Variant for connection dependent on ambient air

d Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings). Respect the locally applicable standards!

e Ventilation opening (1 x 150 cm² or 2 x 75 cm²)

f Ventilation (150 cm²)

- › All flue-gas ducts approved for condensing operation can be installed – an adapter may be needed
- › Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2



Selection tool

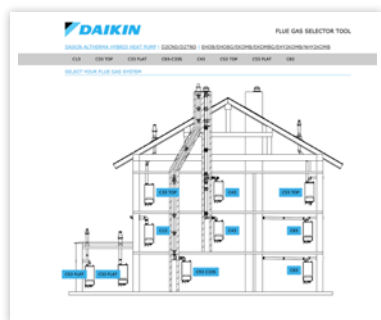
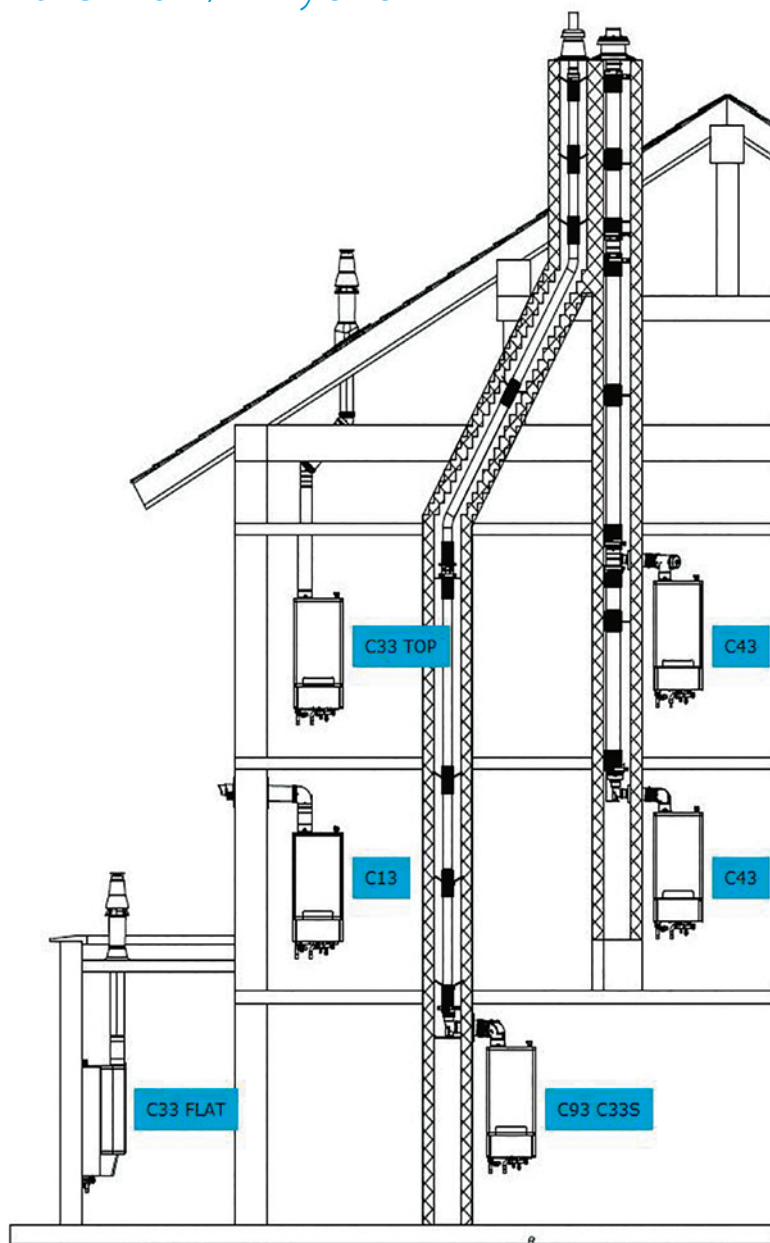
You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at <http://fluegas.daikin.eu>



Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid



Selection tool

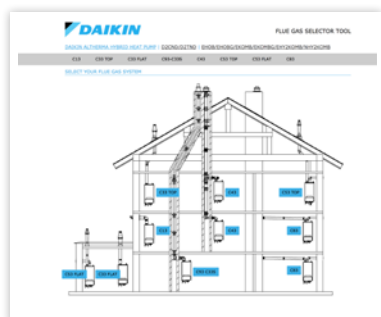
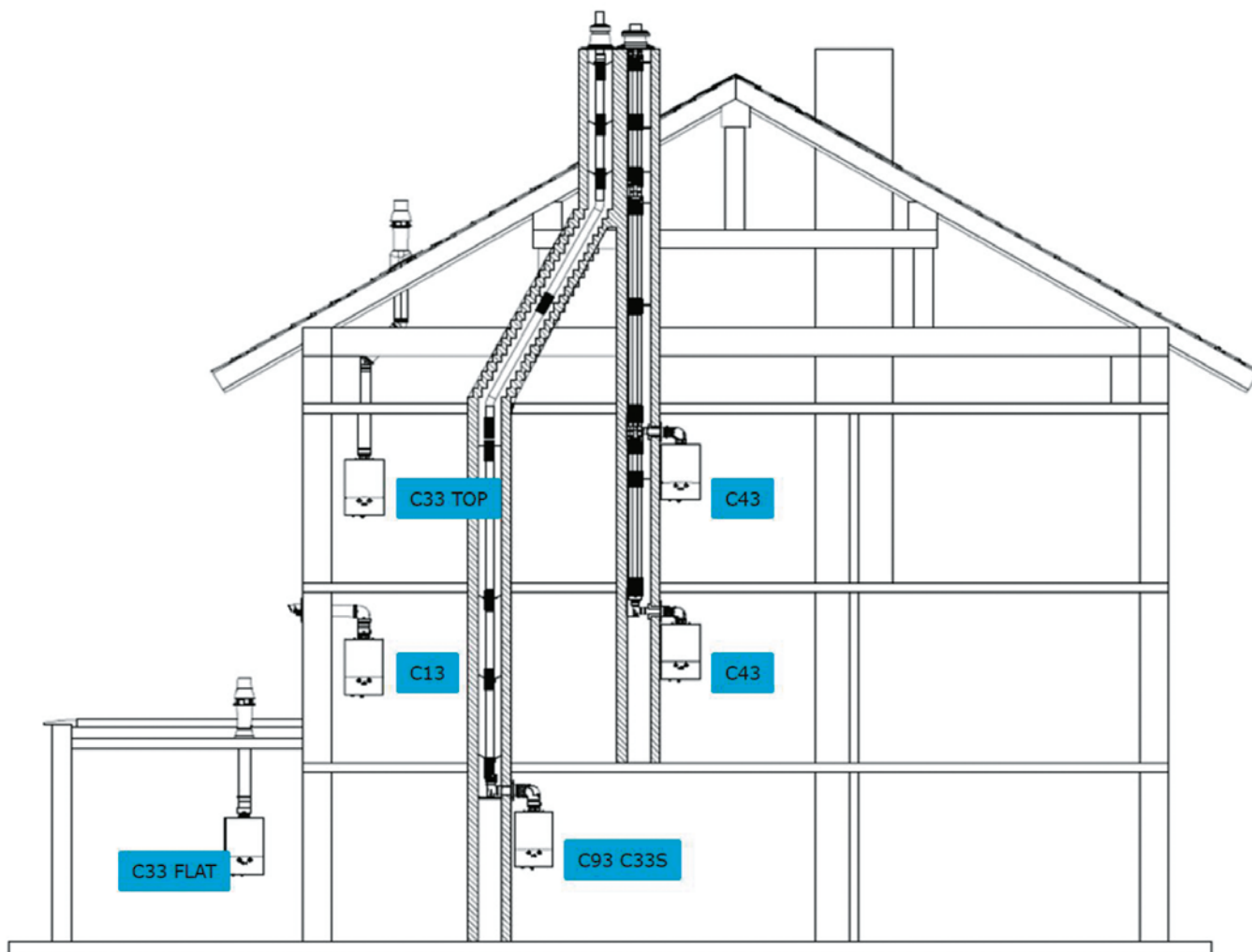
You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at <http://fluegas.daikin.eu>



Overview of Daikin Altherma 3 C Gas W



Selection tool

You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at <http://fluegas.daikin.eu>





Tanks

Thermal stores and tanks

222

Thermal stores and tanks

Hot water heating installation solutions



Why choose a Daikin Altherma ST thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Domestic hot water tanks

Stainless steel tanks

Comfort

- › EKHTS-AC: available in 200 and 260 L in stainless steel
- › EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
- › EKHWS-B: available for 400V applications
- › EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

- › High-quality insulation keeps heat loss to a minimum
- › Efficient temperature heating: from 10 °C to 50 °C in only 60 minutes
- › Available as an integrated solution or separate tank

Reliability

- › At necessary intervals, the unit can heat up water up to 60 °C to prevent the risk of bacteria growth



The ECH₂O thermal store range

ECH₂O thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

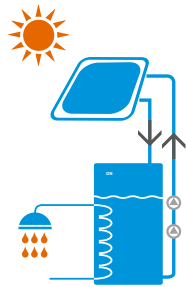
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

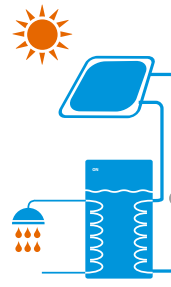
- › Fit for the future: maximise renewable energy sources
- › Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- › High-quality insulation keeps heat loss to a minimum

Reliability

- › Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



Pressurised solar system

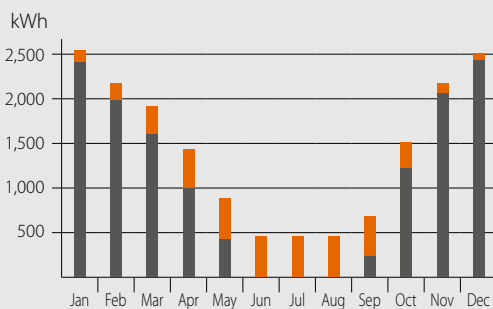
Pressureless (drain-back) solar system

- › The solar collectors are only filled with water when sufficient heating is provided by the sun
- › The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- › After filling, water circulation is maintained by the remaining pump

Pressurised solar system

- › System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- › System is pressurised and sealed

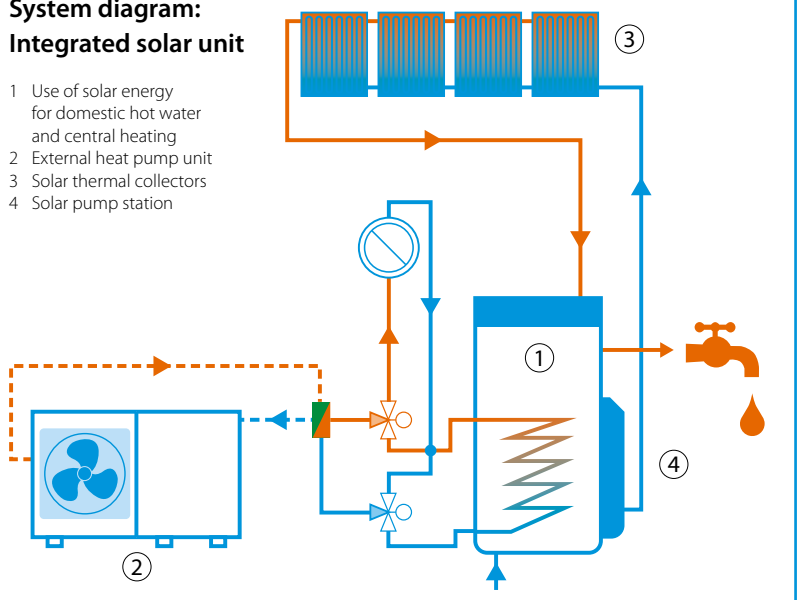
Monthly energy consumption of an average detached house



- Utilisation of solar energy for domestic hot water and central heating
- Heat pump (environmental heat)
- Auxiliary energy (electricity)

System diagram: Integrated solar unit

- 1 Use of solar energy for domestic hot water and central heating
- 2 External heat pump unit
- 3 Solar thermal collectors
- 4 Solar pump station



Daikin Altherma ST Thermal store

Plastic domestic hot water tank with solar support

- › The thermal store EKHWP* is designed to work with Daikin Altherma heat pumps
- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- › Available in 300 and 500 liters



More details and final information can be found by scanning or clicking the QR codes.



EKHWP-B



EKHWP-PB

Accessory		EKHWP	300B	500B	300PB	500PB	54419B	
Casing	Colour	Traffic white (RAL9016) / Dark grey (RAL701)						
	Material	Impact resistant polypropylene						
Dimensions	Unit	Width	mm	595	790	595	790	
		Depth	mm	615	790	615	790	
		Height	mm	1,646	1,658	1,646	1,658	
Weight	Unit	Empty	kg	53	76	56	82	71
		Water volume	L	294	477	294	477	
Tank	Material		Polypropylene					
	Maximum water temperature		°C	85				
	Insulation	Heat loss	kWh/24h	1.5	1.7	1.5	1.7	
	Energy efficiency class			B				
	Standing heat loss		W	64	72	64	72	
	Storage volume		L	290	393	290	393	
Heat exchanger	Domestic hot water	Quantity		1				
		Tube material		Stainless steel (DIN 1.4404)				
		Face area	m ²	5.6	5.8	5.6	5.9	5.8
		Internal coil volume	L	27.8	28.9	27.8	29	28.9
	Operating pressure		bar	6				
	Charging	Quantity		1				
		Tube material		Stainless steel (DIN 1.4404)				
		Face area	m ²	2.66	3.7	2.66	3.7	1.95
		Internal coil volume	L	12.9	18.1	12.9	18.1	10
	Operating pressure		bar	3				
Auxiliary solar heating	Tube material		-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)	-	
	Face area	m ²	-	0.76	-	0.76	-	
	Internal coil volume	L	-	3.9	-	3.9	-	
Operating pressure		bar	-	3	-	3	-	

Daikin Altherma ST Thermal store

Plastic domestic hot water tank with solar support

- › The thermal store EKHW* is designed to work with a gas/oil boiler
- › The thermal store EKHWD* is designed to work with boilers as well as with Daikin Altherma High Temperature
- › Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- › Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- › Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- › Available in 300 or 500 liters



More details and final information can be found by scanning or clicking the QR codes.



EKHWDH-B



EKHWDB-B



EKHW-C-B



EKHWCH-B



EKHWCB-B

Accessory			EKHWDH 500B	EKHWD 500B	EKHWC 300B	EKHWC 300PB	EKHW 500B	EKHWC 500B	EKHWC 500PB	EKHWCB 500B	EKHWCB 500PB	
Casing	Colour		Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material		Impact resistant polypropylene									
Dimensions	Unit	Width	mm	790		595				790		
		Depth	mm	790		615				790		
Weight	Unit	Empty	kg	73	76	51	53	69	74	79	80	86
	Tank	Water volume		L	477		294				477	
Material				Polypropylene								
Maximum water temperature			°C	85								
Insulation		Heat loss	kWh/24h	1.7		1.5				1.7		
Energy efficiency class				B								
Standing heat loss			W	72		64				72		
Heat exchanger	Domestic hot water	Storage volume	L	477		294				477		
		Quantity		1								
		Tube material		Stainless steel (DIN 1.4404)								
		Face area	m ²	4.900		3.800				4.900		
		Internal coil volume	L	23.8		18.6			23.8		25.8	
		Operating pressure	bar	6								
	Charging	Average specific thermal output	W/K	2,580		1,890			2,450		2,580	
		Quantity		1				-			1	
		Tube material		Stainless steel (DIN 1.4404)				-			Stainless steel (DIN 1.4404)	
		Face area	m ²	2				-			2	
		Internal coil volume	L	11		9		-			9	
Auxiliary solar heating	Operating pressure	bar	3				-			3		
	Average specific thermal output	W/K	1,030		920		-			1,030		
	Tube material		Stainless steel (DIN 1.4404)									
	Face area	m ²	1									
	Internal coil volume	L	4									
Operating pressure	bar	3										
Average specific thermal output	W/K	350										

Domestic hot water tank

Stainless steel domestic hot water tank

- › EKHTS-AC: available in 200 and 260 L in stainless steel
- › EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
- › EKHWS-B: available for 400V applications
- › EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel



More details and final information can be found by scanning or clicking the QR codes.



EKHTS-AC



EKHWS-BA



EKHWS-D

Accessory		EKHTS			200AC		260AC		
Casing	Colour							Metallic grey	
	Material							Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height	Integrated on indoor unit	mm	2,010		2,285		
					Width	600			
	Depth	695							
		Height	1,470						
Weight	Unit	Empty	kg		70		78		
	Tank	Water volume	L		200		260		
Tank	Material							Stainless steel (EN 1.4521)	
	Maximum water temperature	°C		75					
	Insulation	Heat loss	kWh/24h		12.0		15.0		
	Energy efficiency class							B	
	Standing heat loss	W		50		63			
	Storage volume	L		200		260			
	Heat exchanger	Quantity							1
	Tube material							Duplex steel (EN 1.4162)	
	Face area	m ²		1,560					
	Internal coil volume	L		7.5					

Accessory		EKHWS		(U)150BA3V3	(U)200BA3V3	(U)300BA3V3	200BA3Z2	300BA3Z2	
Casing	Colour							Neutral white	
	Material							Epoxy-coated mild steel	
Dimensions	Unit	Width	mm		580				
		Depth	mm		580				
	Height	mm		900	1,150	1,600	1,150	1,600	
Weight	Unit	Empty	kg		37	45	59	45	59
	Tank	Water volume	L		150	200	285	200	285
Tank	Material							Stainless steel (DIN 1.4521)	
	Maximum water temperature	°C		85					
	Insulation	Heat loss	kWh/24h		1.55	1.77	2.19	1.77	2.19
	Energy efficiency class							C	
	Standing heat loss	W		65	74	91	74	91	
	Storage volume	L		150	200	285	200	285	
	Heat exchanger	Quantity							1
	Tube material							Duplex steel LDX 2101	
Booster heater	Capacity	kW		3					
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/230			2~/50/400		

Accessory		EKHWS(U)		150D3V3	180D3V3	200D3V3	250D3V3	300D3V3			
Casing	Colour							Neutral white			
	Material							Epoxy coated steel / Epoxy-coated mild steel			
Dimensions	Unit	Height	Tank	mm	1,000	1,164	1,264	1,535	1,745		
					Weight	Unit	Empty	kg		45	50
Tank	Water volume	L		145	174	192	242	292			
	Material							Stainless steel (EN 1.4521)			
Tank	Maximum water temperature	°C		75							
	Insulation	Heat loss	kWh/24h		1.1	1.2	1.3	1.4	1.6		
	Energy efficiency class							B			
	Standing heat loss	W		45	50	55	60	68			
	Storage volume	L		145	174	192	242	292			
	Heat exchanger	Domestic hot water	Quantity							1	
		Tube material							Stainless steel (EN 1.4521)		
	Face area	m ²		1.050	1.400	1.800					
	Internal coil volume	L		4.9	6.5	8.2					
	Operating pressure	bar		10							
Booster heater	Capacity	kW		3							
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/230							

Controllers

Wired remote controller	228
Individual room controllers	232
NEW Onecta App	234

Controls

With Daikin controllers, you're in full control of your Daikin heat pump. The wired controller range features easy-to-use thermostats to control the temperature of different rooms. The intuitive Daikin apps offer even more features to help schedule and manage the energy consumption of your units.

Onecta App

Requires WLAN Module (BRP069A71), WLAN cartridge (BRP069A78) or LAN Adapters (BRP069A61/2)



Wired remote controller

Madoka



Wired digital thermostat

EKWCTRD1V3



Wired analog thermostat

EKWCTRAN1V3

Combination table



			BRC1HHDW/S/K	EKRUCB*	EKRUHML*	EKRUHTB	EHS157034	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D + ETV/B*-E	•					
Daikin Altherma 3 H HT ECH2O	14-16-18 kW	EPRA14-18E + ETS*-D					•	
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•					
Daikin Altherma 3 H MT (ECH2O)	8-10-12 kW	EPRA08-12E + ETS*-E	•					
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E + EHV/B*-E	•					
Daikin Altherma 3 R ECH2O	4-6-8kW	ERGA-E + EHS*-D3					•	
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D + EBV/B*-D	•					
Daikin Altherma 3 R ECH2O	11-14-16 kW	ERLA-D + EBS*-D	•					
Daikin Altherma 3 H (F/W)	11-14-16 kW	EPGA-D + EAV/B*-D	•					
Daikin Altherma R (F/W)	11-14-16 kW	ER(H/L)Q-C + EHV/B*-B		•				
Daikin Altherma R ECH2O	11-14-16 kW	ER(H/L)Q-C + EHS*-B					•	
Daikin Altherma R HT	11-14-16 kW	EKHBRD-ADV/Y17 + ER(R/S)Q-AV/Y1				•		
Daikin Altherma 3 M	11-14-16 kW	E(B/D)LA-D	•					
Daikin Altherma M	5-7 kW	EBLQ-CV3		•				
Daikin Altherma R Hybrid	5-8 kW	EVLQ-CV3		•				
Daikin Altherma H Hybrid	4 kW	EJHA-AV3			•			
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•					
Daikin Altherma GEO	10 kW	EGSQH-A9W		•				
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A						•
Daikin Altherma C Gas ECH2O	15-28 kW	D2UGB/GC-A					•	



Madoka. The beauty of simplicity

Madoka



Black
RAL 9005 (matt)
BRC1HHDK



White
RAL9003 (glossy)
BRC1HHDW



Silver
RAL 9006 (metallic)
BRC1HHDS

Madoka combines refinement and simplicity

- › Sleek and elegant design
- › Intuitive touch-button control
- › Three colours to match any interior
- › Compact: measures only 85 x 85 mm

Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.



Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.



reddot award 2018
winner



Wired remote controller



For Daikin Altherma 3 heat pumps

A new generation of user interfaces: redesigned and intuitive

Intuitive control with a premium design

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large, easy-to-read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

Three colours to match any interior design

Whatever your interior design, Madoka will fit in. Silver will stand out in any home decor, while Black is a perfect match for darker, stylish interiors. White offers a sleek, modern look.

Easily set operation parameters

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

Wired remote control for heating

EKRUCB¹⁾

Control

- › Manage space heating, cooling, domestic hot water and booster mode
- › User-friendly remote control with contemporary design
- › Easy to use with direct access to all main functions

Comfort

- › An additional user interface can be configured to include a room thermostat in the space
- › Easy commissioning: intuitive interface for advanced menu settings

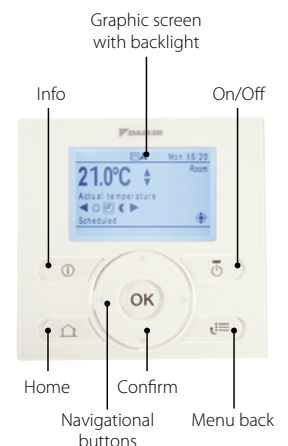
General features

Several languages available depending on the model, including English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units

- › Daikin Altherma R (F/W)
- › Daikin Altherma M
- › Daikin Altherma R Hybrid
- › Daikin Altherma GEO

¹⁾ Only in combination with EKRTETS.





System controller for Daikin Altherma

EKRUAHTB

Control

Reduce installation time

- › Program all installation settings on a laptop computer and simply upload them to the controller during commissioning
- › Reuse similar settings for related installations

Improve service diagnostics and maintenance

- › The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

- › Raise or lower water temperature based on the actual room temperature
- › Manage energy consumption
- › The intuitive display shows the output and input energy of the unit to provide consumption transparency

General features

Weather-dependent floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.



Applicable Daikin units

- › Daikin Altherma R HT
- › Daikin Altherma R Flex Type HT

				BRC1HDDAK/W/S	EKRUCB ¹⁾	EKRUHML ¹⁾	EKRUAHTB	EKWCTRD1V3	EKWCTRAN1V3
Casing	Colour			Black/White/Silver	White	White	-	-	-
	Operation LED	Colour		Blue status indicator	Green	Green	-	-	-
Dimensions	Unit	Height	mm	85	120	120	-	86	86
		Width	mm	85	120	120	-	86	86
		Depth	mm	25	12	12	-	31	29
	Packed unit	Height	mm	50	-	-	-	-	-
		Width	mm	217	-	-	-	-	-
		Depth	mm	161	-	-	-	-	-
Weight	Unit	kg		0.110	-	-	-	-	-
	Packed unit	kg		0.317	-	-	-	-	-
Packing	Material			Cardboard	-	-	-	-	-
	Weight	kg		0.0850	-	-	-	-	-
LCD	Type			100 x 150 dots	-	-	-	-	-
	Dimensions	Height	mm	40.7	46	46	-	-	-
		Width	mm	28.0	72	72	-	-	-
	Back light	Colour		White	White	White	-	-	-
Ambient temperature	Operation	Min.	°C	-10	-	-	-	-	-
		Max.	°C	50	-	-	-	-	-
	Storage	Min.	°C	-20	-	-	-	-	-
		Max.	°C	70	-	-	-	-	-
Relative humidity	%		95	-	-	-	-	-	
Backup for power failure				Yes (the clock will keep functioning for period not exceeding 48 hours)	-	-	-	-	-
Control systems	Class of temperature control			VI	VI	VI	VI	-	-
	Contribution to seasonal space heating efficiency	%		4.0	4.0	4.0	4.0	-	-
Wiring connections	Type of wires			Sheathed vinyl cord or cable	-	-	-	-	-
	Size	mm ²		0.75, 1.25	-	-	-	-	-
	For connection with indoor	Quantity		2	-	-	-	-	-
		Remark		P1-P2 wired connection from indoor unit	-	-	-	-	-
	Wiring length	Max.	m	500	500	500	-	-	-

Individual room controllers

For the temperature adjustment of heating and cooling systems



General features

- › Improve the energy efficiency of the home
- › Universally deployable and scalable
- › Easy and intuitive installation, operation and maintenance
- › Cost-effective and convenient for the end-user

System components



Base station EKWUFHTA1V3

The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.



Wired analog thermostat EKWCTRA1V3

An optimum price-performance ratio is offered for rooms where only temperature control is desired, without the comfort function of the display variant.



Wired digital thermostat EKWCTRD1V3

The desired room temperature can be set comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display clearly indicate all settings.



Valve actuator EKWCVATR1V3

The Daikin Valve Actuator is a thermoelectric valve drive used to open and close valves on heating circuit distributors of concealed heating and cooling systems.

Comfort

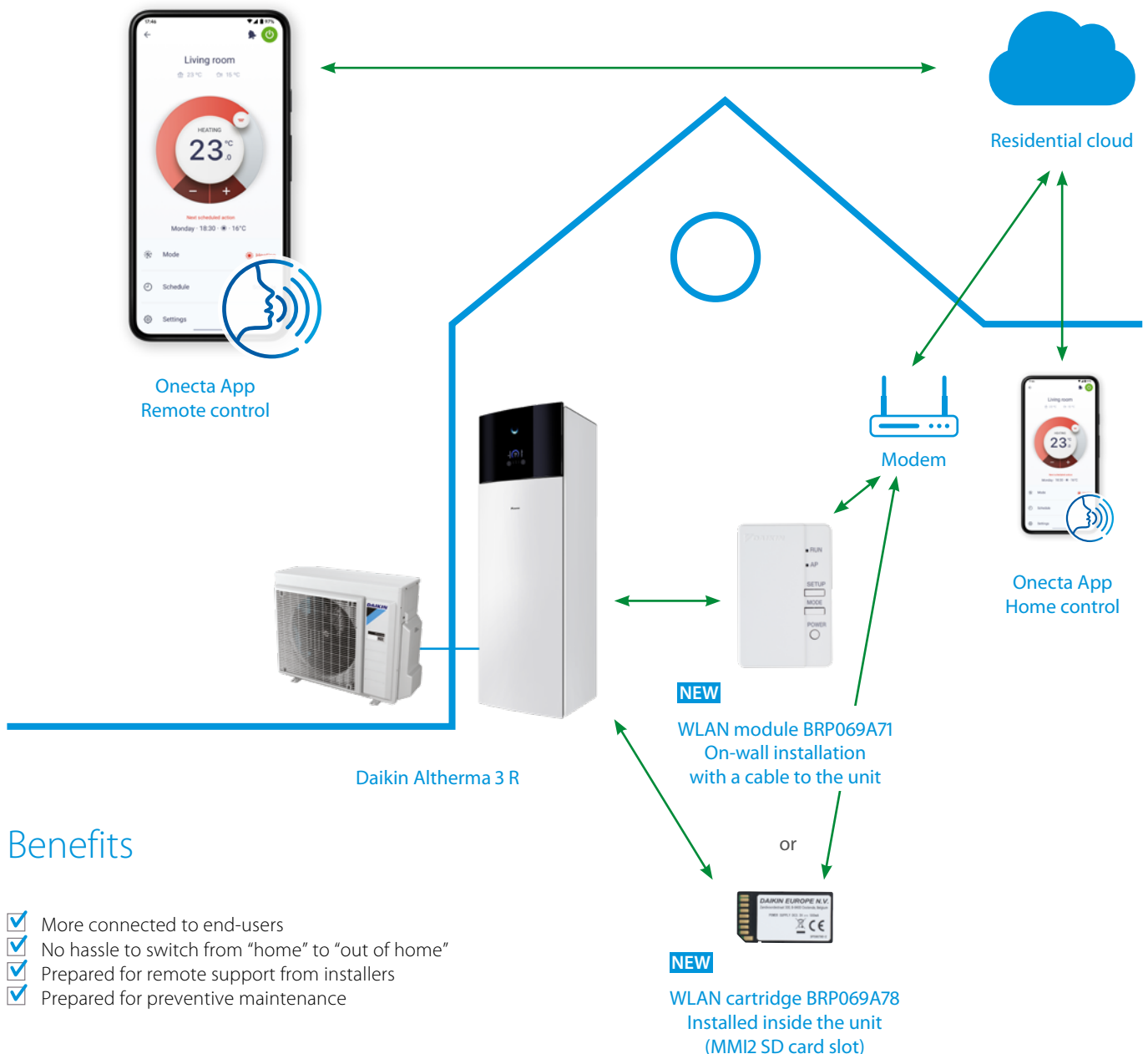
With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room. In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

Applicable Daikin units

Combinable with all Daikin Altherma units.

Cloud connectivity only

Whether the customers are home or remote, they will be able to control their Daikin unit via the Onecta App. The app is always reachable via the cloud to ensure the best comfort in space heating, cooling and domestic hot water. How does it work?



Benefits

- ✓ More connected to end-users
- ✓ No hassle to switch from "home" to "out of home"
- ✓ Prepared for remote support from installers
- ✓ Prepared for preventive maintenance

Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their heating system from their smartphone.

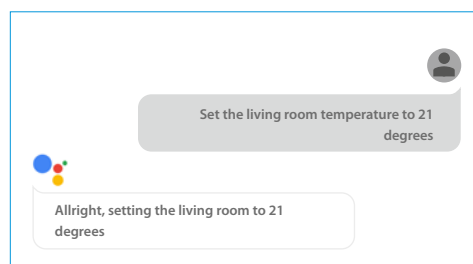


NEW

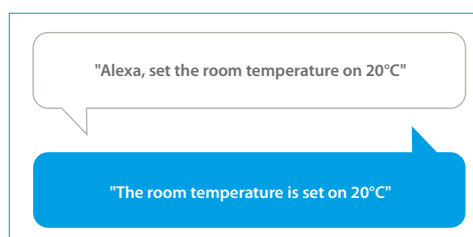
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

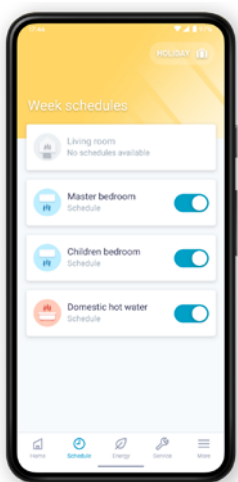
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



Example of using the voice control via Google Assistant



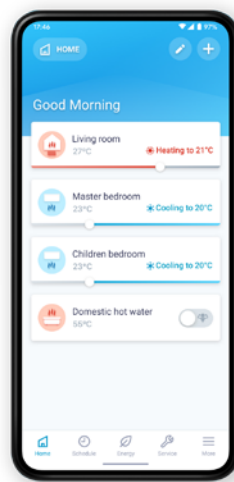
Example of using the voice control via Amazon Alexa



Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

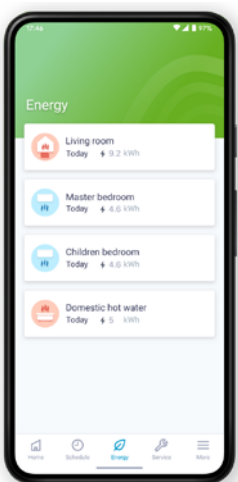
- Schedule room temperature and operation mode
- Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- Change room and domestic hot water temperature
- Turn on powerful mode to boost hot water production



Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- Check the status of the heating system
- Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode. The app functionality is only available if both the Daikin system and the app have a reliable internet connection.



Scan the QR code to download the app now





Heat emitters

Daikin Altherma HPC floor standing	240
Daikin Altherma HPC wall mounted	242
Daikin Altherma HPC concealed	243
Daikin Altherma UFH	248

What is

a heat pump convector?

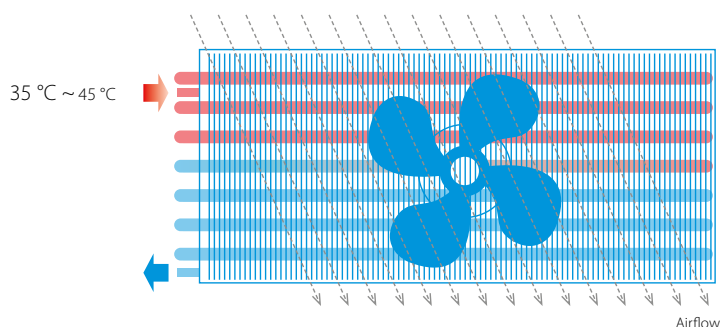
Daikin Altherma HPC provides both cooling and heating. The system is compatible with underfloor piping and radiators in a multi-zoning installation, or can replace radiators in combination with low temperature heat pumps. The unit is suited for use in bedrooms and living rooms thanks to its silent operation.

How does it work?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, the convection process is faster because there is a small fan behind it, speeding up the heating cycle.

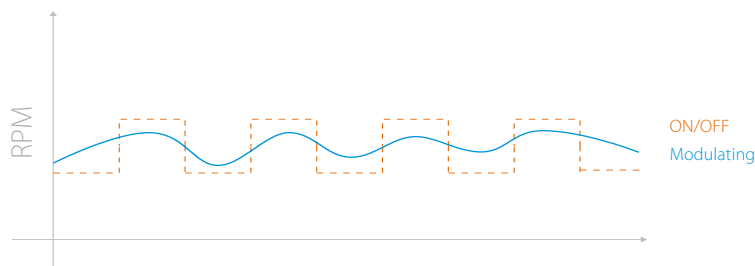
A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures inside the radiator, which in the long run contributes to direct energy savings for end users.

- › Optimized for newly built houses.
- › Can be set at low water temperature (35 °C) which makes it ideal for heat pump applications.



Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.

Natural symbiosis

with heat pumps

By running on low temperature, Daikin Altherma heat pump convectors naturally fit with Daikin heat pumps. The heat pump convector range is made of 3 models:

- 1 Floor standing model with indoor air quality control (optional)
- 2 Wall mounted model with remote control
- 3 Concealed model hidden in the ceiling or wall



Daikin Altherma HPC Floor standing model



The floor standing heat pump convector impresses with its low sound operations, and its slim design that received the RedDot Award 2020. Next to heating and cooling, the unit can also provide indoor air quality control.

Why Indoor Air Quality Matters

Indoor Air Quality (IAQ) refers to the air quality in a building or structure, breathed in every day by the building's occupants.

When planning new residential buildings, schools, offices or light commercial buildings, many things must be considered. Besides structural factors, there are also the topics of heating, cooling and something often neglected: indoor air quality.

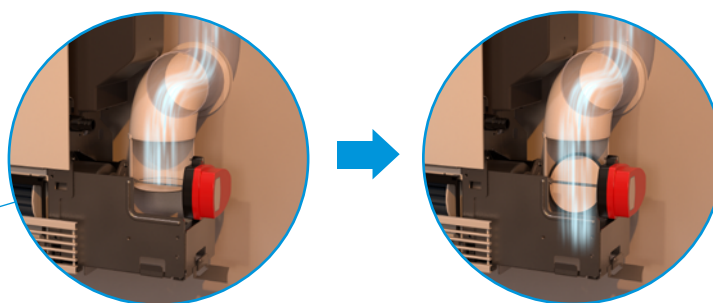
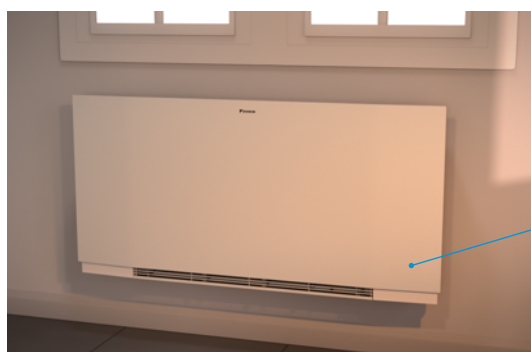
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

- › 90% of our lives is spent indoors
- › Indoor air quality can be 2 to 5 times worse than outdoor air quality because of pollutants, such as pollen, bacteria, etc.



How does Daikin Altherma HPC ensure a healthy and comfortable indoor air quality?

When a pollutant level of indoor air is reached, the IAQ sensor opens a damper, which allows fresh air to come in. The incoming fresh air is immediately heated or cooled (depending on the demand) by the heat pump convector. In this way the indoor air remains of good quality while comfort is ensured.

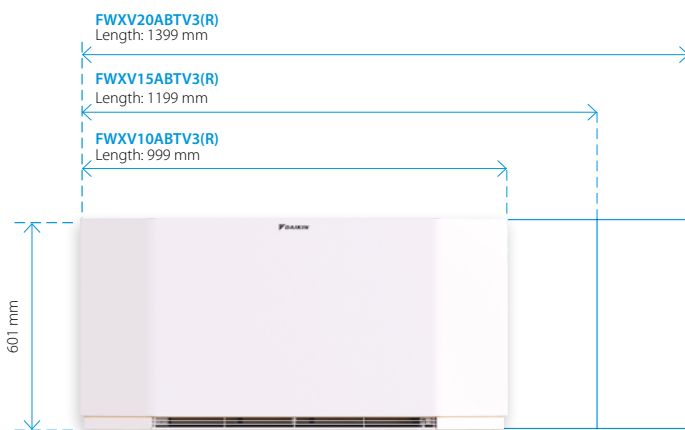




Slim design



The floor standing Daikin Altherma HPC has a depth of only 135 mm that fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



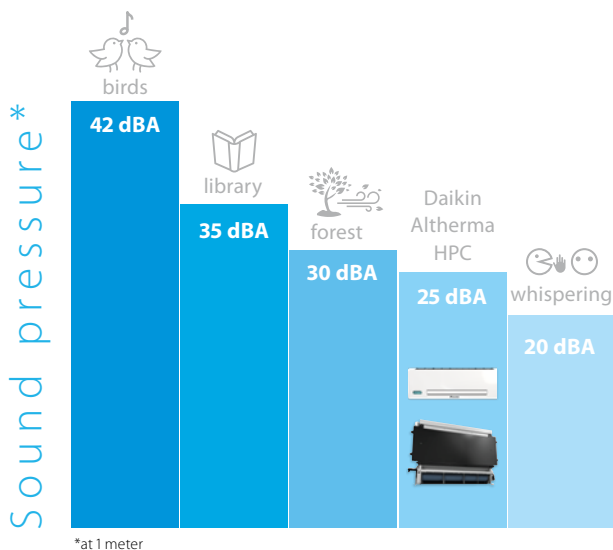
Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).



Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. For the wall mounted and concealed units, the sound pressure measures 25dB(A) at 1m when the fan is on low-speed setting. Even lower sound pressure in super-silent mode (night mode).



Controls

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1



- > Built-in controller
- > Fully modulating
- > Multicolor display

EKRTCTRL2



- > Built-in controller
- > 4 speed settings

EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

EKPCBO



- > Built-in controller
- > ON/OFF
- > In combination with external thermostats

EKWHCTRL1A



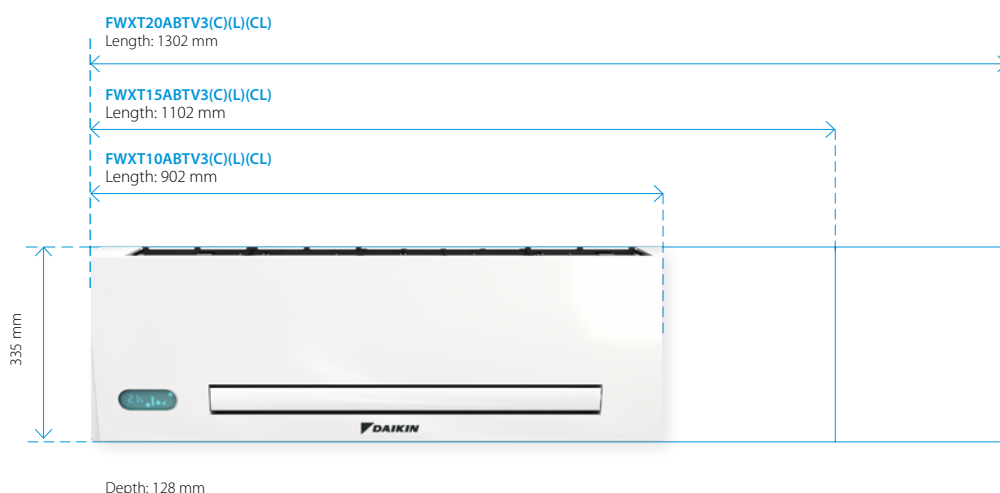
- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0
- > Includes indoor air quality sensor



Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Controls

Choice of:

- > Fully modulating controller allowing for remote control of the unit.
- > Infrared remote controller and on-board touch panel.

EKWHCTRL1



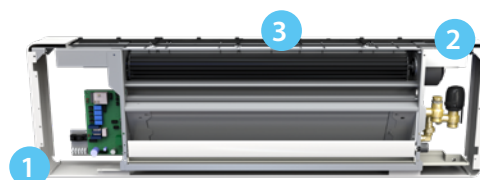
- > Wall controller
- > Fully modulating
- > For models FWXT-ABTV3(L)

Infrared remote controller



- > Remote
- > Fully modulating
- > For models FWXT-ABTV3(C)(L)

Compactness



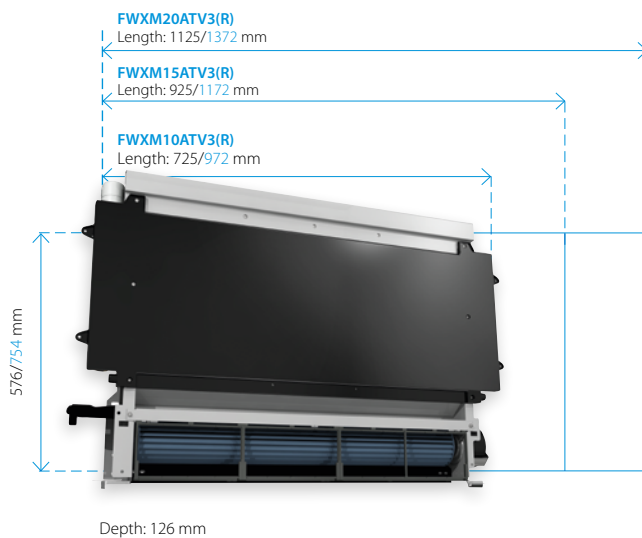
- 1 Slim depth**
The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.
- 2 More space for valves**
Ease of installation: the space for hydraulic valves is wide and easily accessible.

- 3 Modulated airflow**
When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound.



Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or ceiling for visual comfort while preserving its unique heating and cooling capabilities.

Slim design



Blue dimensions are for the front cover.

Controls

EKWHCTRL1

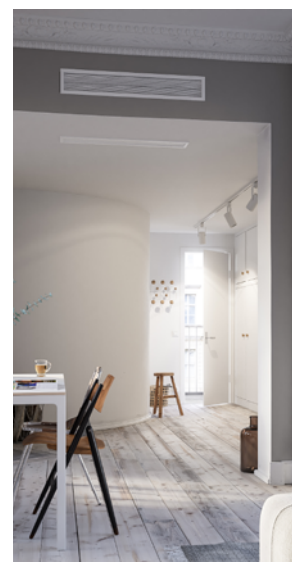


- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

- > Horizontal cover panel and vertical grille for air outlet
- > Horizontal intake grille and vertical grille for air outlet
- > Horizontal intake and outlet grilles






Heat pump convectors - FWXV-ABTV3(R)

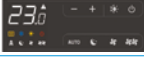
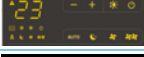









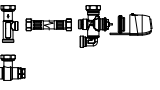
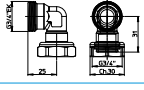












Indoor unit				FWXV10ABTV3(R)	FWXV15ABTV3(R)	FWXV20ABTV3(R)
Cooling capacity at 7/12 °C	Min.		kW	0.78	1.10	1.13
	Med.		kW	1.11	1.65	1.98
	Max.		kW	1.62	2.64	2.99
Sensible cooling capacity at 7/12 °C	Min.		kW	0.58	0.82	0.85
	Med.		kW	0.71	1.15	1.55
	Max.		kW	1.25	1.91	2.33
Heating capacity at 45/40 °C	Min.		kW	0.87	1.12	1.11
	Med.		kW	1.27	1.83	2.32
	Max.		kW	1.96	2.86	3.50
Power input	Min.		W	6	7	8
	Med.		W	10	13	15
	Max.		W	19	25	31
Fan speed	Min.		RPM		720	
	Med.		RPM		1,220	
	Max.		RPM		1,700	
Casing	Colour	White, RAL 9003				
	Material	Metal sheet				
Dimensions	Unit	Height	mm	601		
		Width	mm	999	1,199	1,399
		Depth	mm	135		
	Packed unit	Height	mm	690		
		Width	mm	1,230	1,430	1,630
		Depth	mm	210		
Weight	Unit		kg	20	23	26
	Packed unit		kg	21	24	27
Packing	Material	Carton				
	Weight		kg	1		
Heat exchanger	Quantity	1				
	Internal coil volume		l	0.80	1.13	1.46
		Max Operating pressure		bar	10	
Water circuit	Piping connections diameter		inch	3/4" male		
	Piping material			Copper		
	Heating - Water pressure drop at 45/40 °C	Min.	kPa	7	9	8
		Med.	kPa	8	14	15
		Max.	kPa	11	23	22
	Cooling - Water pressure drop at 7/12 °C	Min.	kPa	7	9	8
		Med.	kPa	8	14	15
		Max.	kPa	11	23	22
	Heating - Water flow rate at 45/40 °C	Min.	kg/h	150	193	191
		Med.	kg/h	218	315	399
		Max.	kg/h	337	492	602
	Cooling - Water flow rate at 7/12 °C	Min.	kg/h	134	189	194
		Med.	kg/h	191	284	341
		Max.	kg/h	279	454	514
	Pressure	Heating/Max.	bar	10		
Sound power level	Min.		dB(A)	40	42	43
	Med.		dB(A)	47	49	50
	Max.		dB(A)	56	57	58
Operation range	Heating	Water side	Min.	°C	30	
			Max.	°C	85	
	Cooling	Water side	Min.	°C	5	
			Max.	°C	18	
	Indoor installation	Ambient	Min.	°CDB	0	
			Max.	°CDB	45	
Control systems	Infrared remote control	no				
	On-board control	yes				
Electrical specifications				FWXV10ABTV3(R)	FWXV15ABTV3(R)	FWXV20ABTV3(R)
Power supply	Phase	1				
	Frequency		Hz	50		
	Voltage		V	230		
Electrical power consumption	Max.		W	19	25	31
	Standby		W	3	4	5
Current	Maximum running current		A	0.15	0.21	0.27

Indoor unit				FWXT10ABTV3(C)(L)(CL)	FWXT15ABTV3(C)(L)(CL)	FWXT20ABTV3(C)(L)(CL)
Cooling capacity at 7/12 °C	Min.		kW	0.49	0.62	0.70
	Med.		kW	0.88	1.08	1.21
	Max.		kW	1.24	1.61	1.94
Sensible cooling capacity at 7/12 °C	Min.		kW	0.37	0.52	0.57
	Med.		kW	0.70	0.86	1.02
	Max.		kW	0.98	1.27	1.52
Heating capacity at 45/40 °C	Min.		kW	0.55	0.79	0.84
	Med.		kW	1	1.36	1.75
	Max.		kW	1.50	2.01	2.41
Power input	Min.		W		5	
	Med.		W	8	9	10
	Max.		W	19	20	29
Fan speed	Min.		RPM		680	
	Med.		RPM		1,100	
	Max.		RPM		1,500	
Casing	Colour			White, RAL 9003		
	Material			Metal sheet		
Dimensions	Unit	Height	mm		335	
		Width	mm	902	1,102	1,302
		Depth	mm		128	
	Packed unit	Height	mm		490	
		Width	mm	1,030	1,230	1,430
		Depth	mm		210	
Weight	Unit		kg	14	16	19
	Packed unit		kg	15	17	20
Packing	Material			Carton		
	Weight		kg		1	
Heat exchanger	Quantity				1	
	Internal coil volume		l	0.80	1.13	1.46
		Max Operating pressure		bar		10
Water circuit	Piping connections diameter		inch		3/4" male	
	Piping material				Copper	
	Heating - Water pressure drop at 45/40 °C	Min.	kPa	5.10	4.81	6
		Med.	kPa	12	6.30	6.40
		Max.	kPa	16.30	7.20	8.10
	Cooling - Water pressure drop at 7/12 °C	Min.	kPa	4.80	4.70	5.50
		Med.	kPa	10.50	5.60	5.40
		Max.	kPa	11.70	5.05	5.30
	Heating - Water flow rate at 45/40 °C	Min.	kg/h	95	136	144
		Med.	kg/h	172	234	301
		Max.	kg/h	258	346	415
	Cooling - Water flow rate at 7/12 °C	Min.	kg/h	84	107	120
		Med.	kg/h	151	186	208
		Max.	kg/h	213	277	334
	Pressure	Heating/Max.	bar		10	
Sound power level	Min.		dBA	35	36	37
	Med.		dBA	46	47	48
	Max.		dBA	53	54	55
Operation range	Heating	Water side	Min.	°C	30	
			Max.	°C	85	
	Cooling	Water side	Min.	°C	5	
			Max.	°C	18	
	Indoor installation	Ambient	Min.	°CDB	0	
			Max.	°CDB	45	
Control systems	Infrared remote control			yes for -C models		
	On-board control			yes		
Electrical specifications				FWXT10ABTV3(C)(L)(CL)	FWXT15ABTV3(C)(L)(CL)	FWXT20ABTV3(C)(L)(CL)
Power supply	Phase			1		
	Frequency		Hz	50		
	Voltage		V	230		
Electrical power consumption	Max.		W	19	20	29
	Standby		W	3	4	5
Current	Maximum running current		A	0.16	0.18	0.24

Heat pump convectors - FWXM-ATV3(R)

Indoor unit				FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
Cooling capacity at 7/12 °C	Min.		kW	0.75	1.15	1.32
	Med.		kW	1.36	2.08	2.39
	Max.		kW	2.12	2.81	3.30
Sensible cooling capacity at 7/12 °C	Min.		kW	0.59	0.83	1.02
	Med.		kW	1.07	1.51	1.84
	Max.		kW	1.72	2.11	2.71
Heating capacity at 45/40 °C	Min.		kW	0.82	1.20	1.47
	Med.		kW	1.53	2.16	2.59
	Max.		kW	2.21	3.02	3.81
Power input	Min.		W	4	6	5
	Med.		W	8	11	11
	Max.		W	19	20	29
Fan speed	Min.		RPM		680	
	Med.		RPM		1,100	
	Max.		RPM		1,500	
Casing	Material			No casing		
Dimensions	Unit	Height	mm		576	
		Width	mm	725	925	1125
		Depth	mm		126	
	Packed unit	Height	mm		690	
		Width	mm	830	1,030	1,230
		Depth	mm		210	
Weight	Unit		kg	12	15	18
	Packed unit		kg	13	16	19
Packing	Material			Carton		
	Weight		kg		1	
Heat exchanger	Quantity			1	1	1
	Internal coil volume		l	0.80	1.13	1.46
		Max Operating pressure		bar		10
Water circuit	Piping connections diameter		inch		3/4" male	
	Piping material				Copper	
	Heating - Water pressure drop at 45/40 °C	Min.	kPa	1.50	2.70	3
		Med.	kPa	4.30	9.30	8.90
		Max.	kPa	1.90	19.10	21.20
	Cooling - Water pressure drop at 7/12 °C	Min.	kPa	1.90	2.70	2.50
		Med.	kPa	4.30	9.90	8.80
		Max.	kPa	8.20	17.10	18
	Heating - Water flow rate at 45/40 °C	Min.	kg/h	141	206	253
		Med.	kg/h	263	372	445
		Max.	kg/h	380	519	655
	Cooling - Water flow rate at 7/12 °C	Min.	kg/h	129	198	227
Med.		kg/h	234	358	411	
Max.		kg/h	365	483	568	
Sound power level	Pressure	Heating/Max.	bar		10	
	Min.		dBA	35	36	36
	Med.		dBA	45	46	47
Operation range	Heating	Water side	Min.	°C	30	
			Max.	°C	85	
	Cooling	Water side	Min.	°C	5	
			Max.	°C	18	
	Indoor installation	Ambient	Min.	°CDB	0	
			Max.	°CDB	45	
Control systems	Infrared remote control			no		
	On-board control			no		
Electrical specifications				FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
Power supply	Phase				1	
	Frequency		Hz		50	
	Voltage		V		230	
Electrical power consumption	Max.		W	19	20	29
	Standby		W	3	4	5
Current	Maximum running current		A	0.16	0.18	0.26

				
FWXV10ABTV3(R)	FWXT10ABTV3(C)(L)(CL)	FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
FWXV15ABTV3(R)	FWXT15ABTV3(C)(L)(CL)			
FWXV20ABTV3(R)	FWXT20ABTV3(C)(L)(CL)			

Description	Picture	Material name				
On-board electronic control SMART TOUCH with PID full modulating fan and thermostat		EKRTCTRL1	Opt			
On-board electronic control SMART TOUCH 4 speeds with thermostat		EKRTCTRL2	Opt			
On-board 4 speeds control switch to be combined with Daikin compatible thermostats		EKPCB0	Opt		Opt	Opt
On board 4 speeds control box to be combine with 4 speed thermostats		EKPCB4S	Opt		Opt	Opt
On board 1-10V control box to be combine with 1-10V thermostats		EKPCB10	Opt		Opt	Opt
On-board controller for EKWHCTRL1		EKWHCTRL0	Opt		Opt	Opt
SMART LCD wall controller with temperature probe, white casing		EKWHCTRL1	Opt	Opt (excl. FWXT-ABTV3(C/CL))	Opt	Opt
SMART LCD wall controller with temperature probe, white casing, including indoor air quality sensor		EKWHCTRL1A	Opt			
IR remote control				Standard (only FWXT-ABTV3(C/CL))		
Aesthetical feet		EKFA	Opt			
Motorised 2-way valve (FWXV/M)		EK2VK0	Opt		Opt	Opt
Motorised 2-way valve (FWXT)		EKT2VK0		Opt		
Motorised 3-way valve (FWXV/M)		EK3VK1	Opt		Opt	Opt
Motorised 3-way valve (FWXT)		EKT3VK1		Opt		
L-bow 90 °C		EKEUR90	Opt		Opt	Opt
Extension piece		EKDIST	Opt		Opt	Opt
Condensate collector tray for horizontal installation		EKM10COH	Opt			
		EKM15COH	Opt			
		EKM20COH	Opt			
Metal casing		EKM10CS			Opt	
		EKM15CS				Opt
		EKM20CS				
Front cover for ceiling installation		EKM10CH			Opt	
		EKM15CH				Opt
		EKM20CH				
Front cover for wall installation		EKM10CV			Opt	
		EKM15CV				Opt
		EKM20CV				
Air intake fitting		EKM10DH			Opt	
		EKM15DH				Opt
		EKM20DH				
90 °C exhaust bend (Horizontal)		EKM10D90			Opt	
		EKM15D90				Opt
		EKM20D90				
Telescopic air flow duct		EKM10DT			Opt	
		EKM15DT				Opt
		EKM20DT				
Aluminum air intake grille with straight airflow		EKM10IS			Opt	
		EKM15IS				Opt
		EKM20IS				
Straight airflow vent		EKM10SV			Opt	
		EKM15SV				Opt
		EKM20SV				
Aluminum air intake grille with curved airflow		EKM10IC			Opt	
		EKM15IC				Opt
		EKM20IC				
Aluminum air outlet grille with curved airflow		EKM10CA			Opt	
		EKM15CA				Opt
		EKM20CA				

Daikin Altherma UFH

Underfloor heating

Your comfortable climate, day after day

Desired temperature at any time of year

Our heating systems make for a comfortable home. Heat generators such as an air-water heat pump use regenerative environmental energy as a heat source and so reduce energy consumption and keep costs to a minimum. But what about air conditioning of the rooms in summer? Very few residential buildings have air conditioning for a pleasant and comfortable temperature even on hot summer days and nights. That's changing now. With a heating system that not only provides comfortable warmth in winter, but also gentle cooling in summer throughout the entire building. And all this with very economical operation and no additional purchase costs.

Regenerative heating in winter, gentle cooling in summer

The Daikin heat pump really comes into its own when combined with a Daikin underfloor heating system. For cooling, the heat pump process is simply reversed, i.e. heat is extracted from the building and released into the environment. The room is cooled mainly by the underfloor heating system. The large surface makes for a very pleasant and draught-free room climate. Invisible and noiseless, even in cooling mode.

Clever combination: Underfloor heating and convector fan

A convector fan is used in rooms without underfloor heating to handle the dual functions of heating and cooling. It is the ideal complement to the Daikin heat pump if not all rooms have underfloor heating. Its very quiet operation means it can even be used in bedrooms. The integrated electronic room temperature control unit ensures an optimal climate in every room.

Maximum comfort and maximum savings – all-inclusive

With the existing or optionally available cooling function of the Daikin air-water heat pump, you can enjoy both heating and cooling in rooms with underfloor heating without any further outlay or investment. The operating costs for this additional comfort are also low.

Daikin Altherma ST solar thermal system: Minimizes energy costs

The integration of a solar system, which additionally contributes heating in winter from free solar energy, offers maximum living comfort with minimal energy costs.

Areas of application:	System temperatures 35 °C - 45 °C			System temperatures 55 °C - 70 °C		Option
	Monopex	Monopex cut	Monopex Industrial	System 70	System 70 Industrial	Heat pump convector
New building	•			(e)*		•
Modernisation with additional height						•
Modernisation without additional height		•				•
Underfloor heating combined with radiator				•	•	•
Heating and cooling (in combination with heat pump)	•	•	•			•
Wall heating						
Large areas			•		•	
Heat generators						
Boilers	•	•	•	•	•	•
Heat pump (low-temperature heating)	•	•	•			•

* If system temperature of the heat generator requires 55 °C - 70 °C in the flow line



Monopex

The underfloor heating for low system temperatures. Ideal in combination with heat pumps.

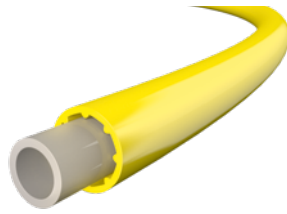
- › Monopex 14 for floor structures with system or tacker panel, wall heating and the Daikin milling system
- › Monopex 16 (for France) for floor installation with system or tacker panels
- › Monopex 17 for floor installation with system or tacker panels
- › Monopex 20 for commercial and industrial surfaces



Protect system plate

The Protect system plate consists of a nub plate with an additional surface protection layer made of deep-drawn polystyrene to protect the heating pipe during installation.

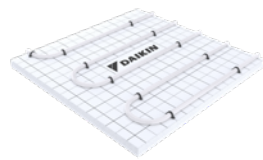
Systems: Monopex, System 70



System 70

Underfloor heating for direct combination with radiators or other heating surfaces. Different pipe dimensions for different applications.

- › DUO 17 for floor mounting with system panels
- › DUO 25 for commercial and industrial areas



Tacker system

The Daikin tacker panel for underfloor heating pipes is available as a folding panel and roller track with laminated, high-strength film, and is ideal for laying heating pipes over large surfaces (e.g. commercial buildings).

Systems: Monopex



Daikin Altherma HPC heat pump convector

- › Slim design
- › Heating and cooling
- › Integrated electronic room temperature controller with timer
- › Very quiet and compact
- › Also suitable for bedrooms
- › Ideal in buildings with underfloor heating and radiators



Clip rail for wall heating

Clip rail combined with Monopex 14 for wall heating.

Systems: Monopex 14



RMV heating circuit distributor

Heating circuit manifold in stainless steel. For all Daikin underfloor heating and radiator connection systems.



RMX heating circuit manifold

Heating circuit manifold made of heat-stabilised, glass fiber reinforced polyamide. For all Daikin underfloor heating and radiator connection systems.



Room controller

The room thermostat ensures convenient and individual control of the room temperature and impresses with its flat design and construction. Versions:

Wireless version

- › Wireless without battery

Wired version

- › LED display:
 - Heating/cooling (red/blue)
- › Read all status messages



Basic module with integrated power pack and clock module

- › Basic module with integrated power pack to supply the control unit (wireless and wired) plus optional clock module
- › Optimal interface to Daikin heat generators



Clock module to supplement basic module:

- › 2 reduction times for heating circuits
- › Pump stopping time
- › Removable from the basic module for easy operation

Segmentation 1	Segmentation 2	Segmentation 3	Description	Product Name	Material Name	
Piping						
UFH heating pipes	PEHD-Xc	Single pipe	MONOPEX® ø14 X 2 DD - 120	EMOPX14120AA	EMOPX14120A	
			MONOPEX® ø14 X 2 DD - 240	EMOPX14240AA	EMOPX14240A	
			MONOPEX® ø14 X 2 DD - 600	EMOPX14600AA	EMOPX14600A	
			MONOPEX® ø17 X 2 DD - 120	EMOPX17120AA	EMOPX17120A	
			MONOPEX® ø17 X 2 DD - 240	EMOPX17240AA	EMOPX17240A	
			MONOPEX® ø17 X 2 DD - 600	EMOPX17600AA	EMOPX17600A	
			MONOPEX ø20 X 2 DD - 400	EMOPX20400AA	EMOPX20400A	
	Pipe in pipe	DUO ø17/12 X 2 DD - 120 (System 70)	EMOPXDUO17120AA	EMOPXDUO17120A		
		DUO ø17/12 X 2 DD - 240 (System 70)	EMOPXDUO17240AA	EMOPXDUO17240A		
		DUO ø17/12 X 2 DD - 600 (System 70)	EMOPXDUO17600AA	EMOPXDUO17600A		
		DUO ø17/12 X 2 AL - 120 (System 70)	EMOPXDUA17120AA	EMOPXDUA17120A		
		DUO ø17/12 X 2 AL - 240 (System 70)	EMOPXDUA17240AA	EMOPXDUA17240A		
	Single pipe	MONOPEX® ø14 X 2 AL - 200 (System 70)	EMOPXDUO25200AA	EMOPXDUO25200A		
Floorplates						
Wet system Floorplates	Napplates	Diagonal With insulation	Protect Integral 27-2	EPROTECTIN272AA	EPROTECTIN272A	
	Tacker	Tacker System	Protect 11	EPROTECT11AA	EPROTECT11A	
Pipe accessories	Protection Pipe	Tackerplate	Tackerplate	ETACKERPLATEAA	ETACKERPLATEA	
		Tackerplate roll	Tackerplate roll	ETACKERPLATERAA	ETACKERPLATERA	
		Protection pipe 16/21	Protection pipe 16/21	EPROTEPIP1621AA	EPROTEPIP1621A	
Protection pipe 19/25	Protection pipe 19/25	Protection pipe 19/25	EPROTEPIP1925AA	EPROTEPIP1925A		
	Protection pipe 23/28	Protection pipe 23/28	EPROTEPIP2328AA	EPROTEPIP2328A		
Wall/side-strips						
Plate accessories	Wall/side-strips	Side-strip for screed floor RDS	Side-strip for screed floor RDS	ESIDESTRIPRDSAA	ESIDESTRIPRDSA	
		Closing cord floating screed floor RDS (in knob plate)	Closing cord floating screed floor RDS (in knob plate)	ESEALLINERDSAA	ESEALLINERDSA	
		Side-strip for concrete floor RDS-I	Side-strip for concrete floor RDS-I	ESIDESTRPRDSIAA	ESIDESTRPRDSIA	
		Extension joint profile Carton	Extension joint profile Carton	EXPANSIOJOICAA	EXPANSIOJOICA	
		Extension joint profile PE or PP	Extension joint profile PE or PP	EXPANSIOJOIPEAA	EXPANSIOJOIPEA	
Screed Material						
Installation accessory	Screed	Screed Estrolith H2000	Screed Estrolith H2000	ESCREDEST2000AA	ESCREDEST2000A	
		Screed Temporex	Screed Temporex	ESCREDEMPREXAA	ESCREDEMPREXA	
		Screed Estrotherm S	Screed Estrotherm S	ESCREDESTROSA	ESCREDESTROSA	
	Plate accessories	Primer	Surface primer 3,5kg	Surface primer 3,5kg	ESURFPRIMER35AA	ESURFPRIMER35A
		In pipe protection fluid	Surface primer 15kg	Surface primer 15kg	ESURFPRIMER15AA	ESURFPRIMER15A
	Freeze and corrosion protection	Freeze and corrosion protection	Freeze and corrosion protection	Freeze and corrosion protection	EFREZCOPROTECAA	EFREZCOPROTECA
		Accessories				
	Tacker accessories	Tacker installation	System tacker STAC (tacker gun)	System tacker STAC (tacker gun)	ESYSTACERSTACAA	ESYSTACERSTACA
		Tacker nail	Tacker nail TN40	Tacker nail TN40	ETACKERNAIL40AA	ETACKERNAIL40A
			Tacker nail TN60	Tacker nail TN60	ETACKERNAIL60AA	ETACKERNAIL60A
Wall system accessories	Tape	Tape KB50	Tape KB50	ETAPEKB50AA	ETAPEKB50A	
		Cliprail	Cliprail	ECLIPRAILAA	ECLIPRAILA	
	Cliprail accessories	Cliprail nail	Cliprail nail	Cliprail nail	ECLIPRAILNAILAA	ECLIPRAILNAILA
Cliprail plug		Cliprail plug	Cliprail plug	ECLIPRAILPLUGAA	ECLIPRAILPLUGA	
Pipe clips		Pipe clips (Monopex 17/20)	Pipe clips (Monopex 17/20)	EPIPECLIPMOPXAA	EPIPECLIPMOPXA	
Pipe accessories	Manual pipe handling	Pipe clips (DUO25)	Pipe clips (DUO25)	EPIPECLIPDUOAA	EPIPECLIPDUOA	
		Pipe fixation for steel frame	Pipe fixation for steel frame	EPIPEFIXSTEELAA	EPIPEFIXSTEELA	
		Pipe damage recoverator	Pipe damage recoverator	EPIPEDAMGERECA	EPIPEDAMGERECA	
	PE Foil	Combined pipe cutter and stripping pilers RAZ1	Combined pipe cutter and stripping pilers RAZ1	EPIPCUTSTRAZ1AA	EPIPCUTSTRAZ1A	
		Pipe cutter	Pipe cutter	EPIPECUTTERAA	EPIPECUTTERA	
	Pipe rolling machine	PE Foil, 0,2 mm, 5 cm Raster	PE Foil, 0,2 mm, 5 cm Raster	EPEFOILRASTERAA	EPEFOILRASTERA	
	Pipe roll out	Pipe rolling machine 1 (Service)	Pipe rolling machine 1 (Service)	915038	915038	
Pipe rolling machine 2 (Service)		Pipe rolling machine 2 (Service)	915039	915039		
Pipe rolling machine 3 (Service)		Pipe rolling machine 3 (Service)	915040	915040		
Pipe bend						
Pipe bend	Pipe bend	Pipe bend for 14-18	Pipe bend for 14-18	EPIPEBEND1418AA	EPIPEBEND1418A	
		Pipe bend for 20-22	Pipe bend for 20-22	EPIPEBEND2022AA	EPIPEBEND2022A	

UFH collector							
Collector	RMV/RMX collector	RMV collector (Stainless steel)	RMV 2	ECOLLECTRMV2AA	ECOLLECTRMV2A		
			RMV 3	ECOLLECTRMV3AA	ECOLLECTRMV3A		
			RMV 4	ECOLLECTRMV4AA	ECOLLECTRMV4A		
			RMV 5	ECOLLECTRMV5AA	ECOLLECTRMV5A		
			RMV 6	ECOLLECTRMV6AA	ECOLLECTRMV6A		
			RMV 7	ECOLLECTRMV7AA	ECOLLECTRMV7A		
			RMV 8	ECOLLECTRMV8AA	ECOLLECTRMV8A		
			RMV 9	ECOLLECTRMV9AA	ECOLLECTRMV9A		
			RMV 10	ECOLLECTRMV10AA	ECOLLECTRMV10A		
			RMV 11	ECOLLECTRMV11AA	ECOLLECTRMV11A		
			RMV 12	ECOLLECTRMV12AA	ECOLLECTRMV12A		
			RMX Collector (Plastic)	RMX 2	ECOLLECTRMX2AA	ECOLLECTRMX2A	
		RMX 3		ECOLLECTRMX3AA	ECOLLECTRMX3A		
		RMX 4		ECOLLECTRMX4AA	ECOLLECTRMX4A		
		RMX 5		ECOLLECTRMX5AA	ECOLLECTRMX5A		
		RMX 6		ECOLLECTRMX6AA	ECOLLECTRMX6A		
		RMX 7		ECOLLECTRMX7AA	ECOLLECTRMX7A		
		RMX 8		ECOLLECTRMX8AA	ECOLLECTRMX8A		
		RMX 9		ECOLLECTRMX9AA	ECOLLECTRMX9A		
		RMX 10		ECOLLECTRMX10AA	ECOLLECTRMX10A		
		RMX 11		ECOLLECTRMX11AA	ECOLLECTRMX11A		
		RMX 12		ECOLLECTRMX12AA	ECOLLECTRMX12A		
		UFH collector Accessories					
		Collector acc	HKV	Collector acc	Extension 1 zone	EXTENSIONZONEAA	EXTENSIONZONEA
	Flow sensor DMR RMX				EFLOSENDRMRMXAA	EFLOSENDRMRMXA	
	COUPLING NIPPLE ¾" EUROCONE SKU				ECLUTCHNIPSKUAA	ECLUTCHNIPSKU	
	Shut off valve				ESHUTOFVALVEAA	ESHUTOFVALVEA	
	Set ring	HKV	Set ring	AlPex coupling	EAIPEXCOUPLINAA	EAIPEXCOUPLINA	
				Set ring DUO 17	ESERIMOPXDU17AA	ESERIMOPXDU17A	
Set ring Monopex 14 x 2,2				ESERIMOPX14AA	ESERIMOPX14A		
Set ring Monopex 16 x 2,2				ESERIMOPX1622AA	ESERIMOPX1622A		
Set ring Monopex 17				ESERIMOPX17AA	ESERIMOPX17A		
Set ring DUO 25				ESERIMOPXDU25AA	ESERIMOPXDU25A		
Set ring Monopex 16 x 1,5				ESERIMOPX1615AA	ESERIMOPX1615A		
Set ring Monopex 20	ESERIMOPX20AA	ESERIMOPX20A					
Collector acc	HKV	Collector acc	Connection set ASH1	ECONECSETASH1AA	ECONECSETASH1A		
Set ring	HKV	Set ring	Shut of for set ring	ESETRINGSHTOFAA	ESETRINGSHTOFA		
Calorimeter			Calorimeter	ECALORIMETERAA	ECALORIMETERA		
		Combi box	Combi box	ECOMBIBOXAA	ECOMBIBOX		
Wall Box							
	RMV/RMX	In wall collector box	In wall until RMX4/RMV3 (HKV compatible)	EIWRX4RV3AA	EIWRX4RV3A		
			In wall until RMX7/RMV6 (HKV compatible)	EIWRX7RV6AA	EIWRX7RV6A		
			In wall until RMX10/RMV9 (HKV compatible)	EIWRX10RV9AA	EIWRX10RV9A		
			In wall until RMX14/RMV13 (HKV compatible)	EIWRX14RV13AA	EIWRX14RV13A		
			In wall until RMX14/RMV13 + calorimeter (HKV compatible)	EIWRX14RV13CLAA	EIWRX14RV13CLA		
	HKV/RMX/RMV	On wall collector box	On-wall until HKV7/RMX7/RMV6	EOWHV7RX7RV6AA	EOWHV7RX7RV6A		
			On-wall until HKV10/RMX10/RMV9	EOWH10RX10R9AA	EOWH10RX10R9A		
			On-wall until HKV14/RMX14/RMV12	EOWH14RX14R12AA	EOWH14RX14R12A		
			On-wall until HKV14/RMX14/RMV12 + calorimeter	EOWH14R14R12CAA	EOWH14R14R12CA		
Console							
		Fixation console	Fixation console STK 40 for WEK40	EFCSTK40WEK40AA	EFCSTK40WEK40A		
			Fixation console STK 45 for WEK45	EFCSTK45WEK45AA	EFCSTK45WEK45A		
Controllers							
Controllers	Wired controllers		Base module UFH-BM	EKW175137	EKW175137		
			Clock module UFH-UM	EKW175138	EKW175138		
			Controller module, wire UFH-RMD2	EKW175141	EKW175141		
			Controller module, wire UFH-RMD6	EKW175140	EKW175140		
			Room controller, wire UFH-RD	EKW175139	EKW175139		
	Wireless controllers		Rocon UFH wireless UFH-RT	175142	175142		
			Base station 6 channels wireless UFH-RMF6A	175143	175143		
			2 channels extra wireless UFH-RMF2A	175144	175144		
	Actuators		Valve actuator RMV/RMX/HKV	EKWCVATR1V3	EKWCVATR1V3		
	Base station/Thermostat		Base station 10 zones	EKWUFHTA1V3	EKWUFHTA1V3		
Digital thermostat 230V			EKWCTRD1V3	EKWCTRD1V3			
Analog thermostat 230V			EKWCTRAN1V3	EKWCTRAN1V3			



Daikin Altherma ST - Solar heating systems

Solar panels for pressurised use and Drain-back system	260
Solar panel - pressurised system	262
Solar panels - drain-back system	264
Solar collector	267
Pump station	267

Daikin Altherma ST

Maximising renewable energy



Why choose a Daikin Altherma ST solar panel?

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.

ECH₂O

✓ Comfort

- › Flexible solar system for pressureless (drain-back) and pressurised solar systems
- › Hot tap water and heating support generated by solar energy
- › Highly efficient flat solar panels that are available in 3 installation options:
 - On roof
 - In-roof
 - Flat roof

✓ Energy efficiency

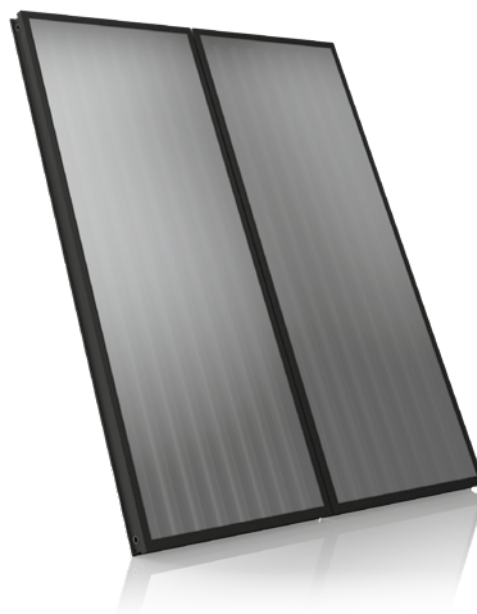
ECH₂O thermal store range:
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

✓ Reliability

Keymark Certificate

- › Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies



011-751016 F



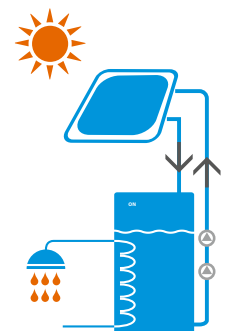
The Drain-Back solar system

✓ How is it working?

- › Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
- › Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
- › The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
- › Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary

✓ Advantages

- › 0% glycol : the liquid carrying the heat is only the water inside the system
- › Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
- › Automatic management of the defrost mode and avoidance of overheating mode
- › No commissioning on the solar system, no replacement of the heat-carrying liquid



The pressurised solar system

✓ How is it working?

- › The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
- › Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
- › The energy from the collectors is returned to the thermal store thanks to the coil

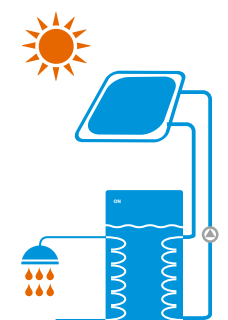
✓ Advantages

Monovalent

- › The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed

Bivalent

- › The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine



Material list for standard solar panel systems for hot water preparation and heating support EKS21P

Solar panel
EKS21P



Number of solar panels Type of installation Article	Type	Order No.	2		3		4		5	
			On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity
Solar panel	EKS21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel ^{DB+P)} (2 roof hooks per kit)	FIX-ADDP	16 20 85	4 ²⁾	0	6 ²⁾	0	8 ²⁾	0	10 ²⁾	0
In-roof installation package, basic storage for two solar panel	IB EKS21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKS21P	16 20 18	0	0	0	1	0	2	0	3

Material list standard solar panels with Drain-back system



Type of installation	Type	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKS RPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1

Nominal volume, complete system

Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal system volume (L)	20.2	21.5	22.8	24.1

Material list solar panels with pressurised system ¹⁾



Number of solar panels Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKS RDS2A	EKS RDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKS RCP	1	1	1



Drain-back system



Pressurised system

- DB) Only required for installations with drain-back system.
- P) Only required for pressurised installations.
- * Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
- 1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
- 2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Material list for standard solar panel systems for hot water preparation and heating support EKS26P

Solar panel
EKS26P



Number of solar panels Type of installation / Article	Type	Order No.	2		3		4		5		5		5	
			On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity	On-roof Quantity	In-roof Quantity
Solar panel	EKS26P	EKS26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel ^(DB+P) (2 roof hooks per kit)	FIX- ADDP	16 20 85	4 ²⁾	0	0	6 ²⁾	0	0	8 ²⁾	0	0	10 ²⁾	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

Material list standard solar panels with Drain-back system



Number of solar panels Installation type / Article	Type	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKS26P4A	EKS26P4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKS26P EKS26P EKS26P	EKS26P Anthracite EKS26P Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

Material list solar panels with pressurised system ¹⁾



Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity	Nominal volume, complete system				
						Number of solar panels	2	3	4	5
Controller	EKS26P1A	EKS26P1A	1	1	1	Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Pressure station solar panel	EKS26P2A	EKS26P2A	1	1	1	Nominal volume entire system (L)	21	22.7	24.4	26.1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0					
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0					
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1					
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1					
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0					
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0					
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1					
Installation material solar panel with pressure system ¹⁾	RCP	EKS26P	1	1	1					

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel
H26 P



Number of solar panels Type of installation Article	Type	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel ^{P)} (4 roof hooks per kit)	FIX-ADDP	16 20 85	2 ²⁾	0	4 ²⁾	0	6 ²⁾	0	8 ²⁾	0	10 ²⁾	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4



Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20
Nominal volume system (L)	21.6	23.9	26	28.1

Material list solar panels with pressurised system ¹⁾



Pressurised system

Number of solar panels Installation type / Article	Type	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system ¹⁾	RCP	EKSRCP	1	1

- P) Only required for pressurised installations.
- * Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
- 1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
- 2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

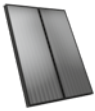
Solar panel - Overview EKS26P - standard vertical model

List of materials for solar components that connect several storage tanks





Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

Solar panels for pressurised use and Drain-back system

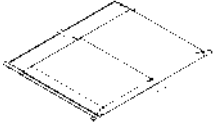
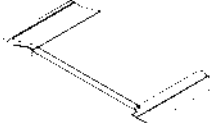
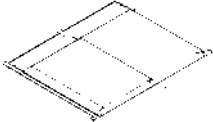

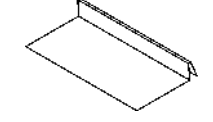


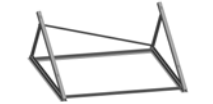
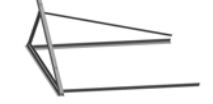
**High-efficiency flat solar panels**

Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

	Article	Type	Order No.
High-efficiency flat solar panel EKS21P	 (2,000 x 1,006 x 85 mm), solar panel area 1.79 m ² , Weight 35kg, water content 1.3 l. Max. 6 bar.	EKS21P	EKS21P
High-efficiency flat solar panel EKS26P	(2,000 x 1,300 x 85 mm), solar panel area 2.35 m ² , Weight 42kg, water content 1.7 l. Max. 6 bar.	EKS26P	EKS26P
High-efficiency flat solar panel EKSH26P	 (1,300 x 2,000 x 85 mm), solar panel area 2.35 m ² , Weight 42kg, water content 2.1 l. Max. 6 bar.	EKSH26P	EKSH26P
Solar panel connection	 Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
Installation profile rail for EKS21P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
Installation profile rail for EKS26P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
Installation profile rail for EKSH26P	 Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
Support for connecting pipe solar panel	 Support troughs (5 in number, length, in each case, 1.3 m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
On-roof installation pack slate	 4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
On-roof installation pack MULTI	 2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
Roof holder for corrugated covering	 4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
Roof holder for welded sheet metal covering	 4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX

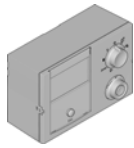
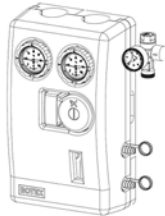







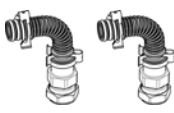
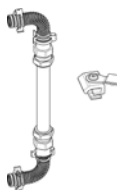
Solar panels for pressurised use and Drain-back system



		Article	Type	Order No.
Basic in-roof assembly package EKSV21P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
Extension kit in-roof mounting EKSV21P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P	16 20 18
Basic in-roof mounting pack EKSV26P		Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
Expansion in-roof mounting pack EKSV26P		Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
In-roof covering slate supplementary pack		30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
Basic pack flat-roof frame for mounting of two EKSV26P solar panels on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
Extension pack flat-roof frame for one additional EKSV26P solar panel		Extension for FB V26P.	FE V26P	16 20 59
Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs		Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
Extension pack flat-roof frame for one additional EKSH26P solar panel		Extension for FB H26P.	FE H26P	16 20 61
Disassembly tools ducts drain-back system			FIX LP	16 20 29-RTX


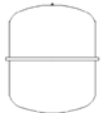





Solar panel - pressurised system



	Article	Type	Order No.
Controller	 <p>Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.</p>	EKSDSR1A	EKSDSR1A
Pressure station	 <p>Consists of: Pipe connection \varnothing 22 mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.</p>	EKSRDS2A	EKSRDS2A
Fill and drain connection	 <p>For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.</p>	KFE BA	16 52 15
Solar panel pressurised solar line DN 16	 <p>15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25 m. Without connection fittings.</p>	CON 15P16	16 20 73
Solar panel pressurised solar connection kit DN 16	 <p>All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.</p>	CON CP16	16 20 75
Solar panel pressurised solar connection kit DN 16	 <p>Fittings for connecting two pressurised solar lines DN 16.</p>	CON XP16	16 20 71
Solar panel pressurised solar line DN 20	 <p>15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25 m. Without connection fittings.</p>	CON 15P20	16 20 74
Pressurised solar connection kit DN 20	 <p>All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.</p>	CON CP20	16 20 76
Solar panel pressurised solar connection kit DN 20	 <p>Fittings for connecting the pressurised solar line DN 20.</p>	CON P20	16 20 72
Installation material solar panel pressurised system	 <p>Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2 m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.</p>	RCP	EKSRCP
Solar panel row connection for the solar panel with pressure system	 <p>Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.</p>	CON LCP	16 20 45

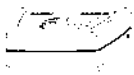


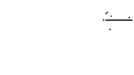
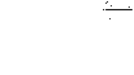


Solar panel - pressurised system




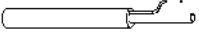
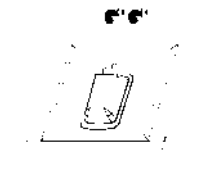
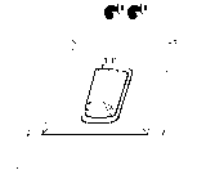


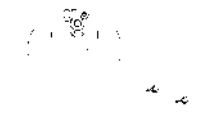
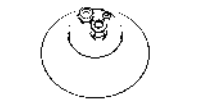
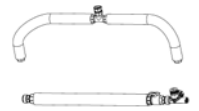
		Article	Type	Order No.
Expansion vessel 12 L with connection block		For solar panels with pressure systems of max. 2 x EKS21P - solar panels.	MAG S12	16 20 70
Expansion vessel 25 L with connection block		For solar panels with pressure systems of max. 3 solar panels.	MAG S 25	16 20 50
Expansion vessel 35 L with connection block		For solar panels with pressure systems of max. 5 solar panels.	MAG S 35	16 20 51-RTX
GLYCOL CORACON SOL 5F		20 L can of pre-mixed solar fluid, functional range up to -28 °C.	CORACON SOL 5F	16 20 52-RTX
Fill and draining valve				16 41 17
GLYCOL CORACON SOL 5		1 L of solar fluid concentrate for extension of the frost range. With 20 L of solar fluid with 1 L additive, the use range extends down to -33 °C. For 20 L of solar fluid with 2x 1 L of additive, the functional range is extended to -38 °C.	CORACON SOL 5	16 20 53
Circulation lance		For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the domestic water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1"		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switchover time 6 sec.	3 W-UV	15 60 34

Solar panels - drain-back system






	Article	Type	Order No.
EKS RPS4 regulation and pump unit	 <p>Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump.</p> <p>INFO: The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKS RPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.</p>	EKS RPS4	EKS RPS4A
Additional pump set RPS4			164243
Fill and tap connection solar panel with drain-back system		For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA 16 52 16
Burner blocking contact connection cable	 <p>For RPS2, RPS3, RPS3 M, RPS3 25M.</p>	BSKK	16 41 10-RTX
Solar panel FlowGuard solar flow regulator	 <p>With solar flow indicator 2-16 l/min.</p>	FLG	16 41 02-RTX
Connection tube solar panel	 <p>Ready to connect connection line 15 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.</p>	CON 15	16 47 32
Connection tube solar panel	 <p>Ready to connect connection line 20 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.</p>	CON 20	16 47 33
Solar panel solar flow sensor 100	 <p>Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100 l/min.</p>	FLS 100	16 41 03-RTX
Extension	 <p>For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCP, RCIP, RCFP.</p>	CON X20 25M	16 42 31

Solar panels - drain-back system

	Article	Type	Order No.										
Extension connection tube solar panel	 <p>Ready to plug in including installation material and connection fittings L = 2.5 m L = 5.0 m L = 10.0 m</p> <p>Maximum possible length of the connection pipe:</p> <table border="1"> <thead> <tr> <th>Number of solar panels</th> <th>Max. length</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>45 m</td> </tr> <tr> <td>3</td> <td>30 m</td> </tr> <tr> <td>4</td> <td>17 m</td> </tr> <tr> <td>5</td> <td>15 m</td> </tr> </tbody> </table>	Number of solar panels	Max. length	2	45 m	3	30 m	4	17 m	5	15 m	CON X 25 CON X 50 CON X 100	16 42 61 16 42 62 16 42 63
		Number of solar panels	Max. length										
2	45 m												
3	30 m												
4	17 m												
5	15 m												
Extension of the inflow pipe	 <p>UV-resistant thermally-insulated, length = 8 m, including cable connecting fitting for the solar panel sensor line.</p>	CON XV 80	16 42 64										
On-roof roof penetration, anthracite	 <p>Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	EKSRCAP	EKSRCAP										
On-roof roof penetration, tile red	 <p>Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	EKSRCRP	EKSRCRP										
Solar panel panel row connection	 <p>Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.</p>	CON RVP	16 20 35-RTX										
Installation material, solar panel in-roof	 <p>Ready to plug in including installation material and connection fittings.</p>	RCIP	16 20 37-RTX										
Roof penetration, flat roof	 <p>Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5 m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.</p>	RCFP	16 20 38-RTX										
Roof penetration flat-roof for alternate side solar panel connection	 <p>Flat roof penetration with screw connections and blind plugs for penetration openings which are not used.</p>	CON FE	16 47 09										
Solar panel boiler extension kit	 <p>Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line.</p>	CON SX	16 01 20										

Solar panels - drain-back system



	Article	Type	Order No.
Solar panel storage tank extension kit 2	 <p>Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.</p>	CON SXE	16 01 21
Circulation lance	 <p>For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.</p>	ZKL	16 51 13
Thermostatic mixer as scalding protector	<p>Thermal safety device for the warm-water pipe. Setting range 35-60 °C.</p>	VTA32	15 60 15
Screw connection kit 1"	<p>For connection of the scald protection VTA32.</p>		15 60 16
Thermostatic regulator 230V	<p>With capillary tube temperature sensor, setting range 35-85 °C.</p>	SCS-TR	16 41 30
3-way switching valve 1" male	 <p>With motor drive 230V, switch-over time 6 sec.</p>	3 W-UV	15 60 34
Collector connector (connect B)			164201-RTX
Connector 18/18			164233-RTX
Connector 15/15			164234-RTX
Plug-in coupling for RPS4 22/15			164237-RTX

Solar collector

Thermal solar collector for hot water production

- › Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- › Horizontal solar collector for domestic hot water production
- › Vertical solar collector for domestic hot water production
- › High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- › Easy to install on roof tiles
- › Can be used for drain-back and pressurised applications

More details and final information can be found by scanning or clicking the QR codes.



EKSVP-P



EKSH-P



EKSVP21P

Accessory				EKSVP21P	EKSVP26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	Height x Width x Depth	mm	2,000 x 1,006 x 85	2,000 x 1,300 x 85	1,300 x 2,000 x 85
Weight	Unit		kg	33		42
Volume			L	1.3	1.7	2.1
Surface	Outer		m ²	2.01		2.60
	Aperture		m ²	1.800		2.360
	Absorber		m ²	1.79		2.35
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min.~Max.		°	15~80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	collector efficiency (η _{col})		%	61		
	Zero loss collector efficiency η ₀		%	0.781		0.784
	Heat loss coefficient a ₁		W/m ² .K	4.240		4.250
	Temperature dependence of the heat loss coefficient a ₂		W/m ² .K ²	0.006		0.007
	Thermal capacity		kJ/K	4.9		6.5
Auxiliary	Solpump		W	-		
	Annual auxiliary electricity consumption Q _{aux}		kWh	-		
	Solstandby		W	-		

EKSRPS4A/EKSRDS2A

Pump station

- › Save energy and reduce CO₂ emissions with a solar system for domestic hot water production
- › Pump station connectable to drain-back solar system
- › Pump station and control provide the transfer of solar heat to the domestic hot water tank

More details and final information can be found by scanning or clicking the QR codes.



EKSRDS2A



EKSRPS4A



EKSRPS4A

Accessory				EKSRPS4A	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	Height x Width x Depth	mm	815 x 142 x 230	410 x 314 x 154
Weight	Unit		kg	6.4	6
Operation range	Ambient temperature	Min.~Max.	°C	5~40	~40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	37.3	23
	Annual auxiliary electricity consumption Q _{aux}		kWh	92.1	89
	Solstandby		W	2.00	5.00